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COMPILED BY

A. E. SALISBURY, A.M.I.E.E.

AND

MARCIA A. EDWARDS, B.Sc.

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north-east, **Hayami, I.** (6); Freshwater mussels in Lake of Buva, **Higashi & Kawai**; Certain Lucinid genera, **Hirayama, K.**; Fascioliasis and snail distribution in Higashimatsuyama, Saitama Pref., **Itagaki, H.**; Mega-fossil zones in the Chichibu basin, Saitama Prefecture, **Kanno, S.**; Fossil Mollusca from Zenkoji hot springs in Nagano Prefecture of Miocene age, **Kanno & Tomizawa**; Two-valved saccoglossan gastropod from Tamano, **Kawaguti & Baba**; An Eocene nautiloid from Kyushu, **Kobayashi & Kamada**; Bio-, Thanato- and fossil history of *Eutrephoceras japonicum* from Nagasaki, **Kobayashi & Kamada** (1); The bearing of the Jurassic Trigoniids on stratigraphy, **Kobayashi, Mori & Tamura**; *Assiminea kushimotoensis* sp. nov., a Trematode's intermediate host, figs, **Kuroda, T.** (1); *Polymesoda* from the Cretaceous of the Hida mountainland, **Maeda, S.**; A new Pleistocene Turrid from Motoyashiki Miyata formation, **Makino, J. & Ogose, S.**; Revision of Yokayama's Tertiary fossils, **Makiyama, J.**; Miocene Pectinidae from the environs of Sendai, **Masuda, K.**; Miocene Pectinidae from the environs of Sendai, **Masuda, K.** (1); *Patinopecten imamurai*, Akazaki, Shimane Prefecture, **Masuda, K.** (2); Miocene Pectinidae from Higashi-Shirakawa-gun, Fukushima Prefecture, **Masuda, K.** (3); Oligocene Mollusca from Hokkaido, **Matsui, M.**; Marine Pleistocene deposits from Hashitate Upland, Ishikawa Pref., **Miura, S.**; Cephalopoda from the Norian Nariwa Group in Okayama Prefecture, **Nakazawa, K.**; Permian and Eo-Triassic *Bakevillia* from the Maizuru zone, **Nakazawa, K.** (1); Abundance of molluscan fossils in Bôsô Peninsula, Pliocene and Pleistocene strata [no list of species given], **Ogose, S.**; Mollusca from Okinawa Islands Naha City, **Okada, Y.**; Stratigraphical and Palaeontological studies of the Triassic System in the Kitakami Massif, **Onuki & Bandô**; *Nippononaia* from the Wakino subgroup, Kyushu, **Ota, Y.**; Cretaceous *Plicatounio* figs, **Ota, Y.** (2); On the nomenclature of Japanese shells, **Oyama, K.**; Jurassic Ammonites from the plateau of Kitakami, **Sato, T.**; Olivid gastropods from the Miyazaki Group, Kyushu, **Shuto, T.**; Upper Jurassic pelecypods from Central Kyushu, **Tamura, M.**; Taxodonta and Isodonta from the Upper Jurassic in Central Kyushu, **Tamura, M.** (1); Jurassic fossils from the Koyamada and Nakanosawa formations in North Japan, **Tamura, M.** (2); Upper Jurassic pelecypods from Central Kyushu, **Tamura, M.** (3); "*Bakevellia*" and "*Edentula*" from the late Triassic Mine Series, **Tokuyama, A.**; Late Triassic Pteriacea from the Atsu and Mine Series, West Japan, **Tokuyama, A.** (1); Mutation of *Palliolum peckhami*, **Utashiro, T.**

AUSTRALIAN AND POLYNESIAN REGION

Australia.—New Cretaceous Ammonoids from W. and S. Australia, **Brunnschweiler, R. O.**; *Aucellina* series from Oodnadatta in northern South Australia, **Brunnschweiler, R. O.** (1); Molluscan field notes from Victoria, **Burn, R.**; Mollusca from Victoria, **Burn, R.** (1); Late Permian marine faunas from Western Australia, **Dickins & Thomas**; Oxygen isotope palaeotemperature determination of Cretaceous belemnites and Tertiary Mollusca, **Dorman & Gill**; Oxygen isotope palaeotemperature determinations of Cainozoic fossils from Victoria, **Dorman & Gill** (1); New species of *Cypraea* subgenus *Notocypraea* from Victoria, **Griffiths, R. J.**; Radulae of S. Australian gastropods, **Habe, T.** (3); *Zoila rosselli* from Fremantle, Western Australia, **Hartley, T.** (1); Middle Devonian fossils from North Queensland, **Heidecker, E.**; *Anadara trapezia* from S.W. Australia, **Kendrick & Wilson**; Pyramidellidae from N. Australia, **Laseron, C. F.**; Pliocene molluscs from Fishery Bay on Eyre Peninsula to Moorlands in the Murray Basin, **Ludbrook, N. H.** (1); Tertiary nautiloids from South Australia, **McGowran, B.**; Ecology of Lake MacQuarie, New South Wales, **MacIntyre, R. J.**; A new tree-snail from North Queensland, **McMichael, D. F.** (4); A new land snail from N. Queensland, **McMichael, D. F.** (7); New Gastropoda from N. Australia, **Macpherson, J. H.**; Land shells in coastal Queensland from Maryborough to Townsville, **Price, L.**; Spread of *Theba pisana* on Rottnest Island, **Serventy & Storr**; Some Queensland land snails, figs., **Solem, A.** (4); New *Theskelomensor* from Queensland, **Solem, A.** (5); A note on the *Microtis*, **Talmadge, R.**; Lower Carboniferous Laurel formation of the Fitzroy Basin, **Thomas, G. A.**

New Zealand.—Land molluscs from the northern end of South Island, **Annabell, G.**; Cretaceous fossils from Pitt Island, Chatham Islands, **Boreham, A. U. E.**; Recent and Tertiary Mytilidae, **Fleming, C. A.**; Jurassic Mollusca from Waikato South Head, **Fleming, C. A.** (1); Radulae of New Zealand gastropods, **Habe, T.** (3); Columbellidae, **Hipkins, A. K. & Hipkins, A. K.** (1); Triassic-Jurassic Cenoceratids and their evolution in the Triassic, **Kummel, B.**; Lower Triassic ammonoids from Malakoff Hill, Wairaki Downs, Southland, **Kummel, B.** (1); Fossils from Permian-Triassic-Jurassic rocks near Auckland, **Milligan, E. N.**; Shells of New Zealand, 3rd edition, **Powell, A. W. B.** (1); Land snails from Waitakere Ranges, Auckland, **Rees, R.**; Shell fish as the main diet of rats on Mokoia Island, Lake Rotorua, **Thomson, W. P.**; Further records of *Austrosuccinea*, **Thomson, W. P.** (1); Hunting *Paryphanta* on Mt. Duppa, **Townsend, J. I.**; Mollusca from Whangaruru, N. Auckland, **Warren, P.**; Collecting snails in Wellington, **Warren, P.** (1); Notes on Permian species of *Atomodesma*, **Waterhouse, J. B.**; *Maccoyella* spp. from the Upper Jurassic or Lower Cretaceous near Kahikatea Settlement Opotiki district, Raukumara Peninsula, **Waterhouse, J. B.** (1); *Vertigo pygmaea* in Mair Park, Whangarei, **Whitten, H. E.**

Pacific Islands.—Permotriassic nautiloids and ammonoids from New Caledonia, **Avias & Guérin**; Terrestrial fauna of the Paracels Islands, **Saurin, E.**

ETHIOPIAN REGION

Africa, Eastern.—Anatomy and systematics of *Melania* spp., **Binder, E.**; *Afropunctum* Haas in Kenya and Uganda, **Verdcourt, B.** (2); Check-list and specimens of E. African non-marine molluscs available on loan, **Verdcourt, B.** (3); Snails in swamps near Pangani river, Tanganyika, **Webbe, G.**

Africa, Western.—Fossil Cretaceous Mollusca from the Cameroon Basin of West Africa and from Angola, **Freneix, S.**; Cretaceous fossils from the coastline between Lobito and Catumbela, Angola, **Soares, A. F.**

Africa, Central.—Quaternary molluscs from the Lake Édouard region, Belgian Congo, **Adam, W.**; Lake Albert and Semliki molluscs from the Pleistocene of the Belgian Congo, **Adam & Lepersonne**; *Thapsia* in the Belgian Congo, **Raemaekers, R. H.**; Notes on *Streptostele* from the Belgian Congo, **Venmans, L. A. W. C.**

Africa, Southern.—Bilharziasis in northern districts of Mozambique, **Morais, T. de.**

Atlantic Isles.—Miocene marine fossils from the Isle of Porto-Santo off the coast of Madeira, **Silva, G. H. da.**

NEARCTIC REGION

North America.—Unionidae from upper St. Lawrence River, **Clarke, A. H.** (1); More Mississippian belemnites, **Flower & Gordon**; Succession and speciation of *Aucella*, **Imlay, R. W.** (1); Palaeoecological significance of *Tancredia americana* in the Cretaceous, **Skogstrom, H. C.**

Alaska & Canadian Subregion.—Ordovician palaeontology of the Manitou Islands, Lake Nipissing, Ontario, **Colquhoun**, D. L.; Land snails of British Columbia, **Draycot**, W. M.; *Leiopteria rafinesquii* and a new species of the genus from the Thedford-Arkona region of Southwestern Ontario, **Ehlers & Wright**; Marine Jurassic rocks and Mollusca in Nelson and Salmo areas of Southern British Columbia, **Frebold**, H.; New genera of early Cretaceous ammonites from the Albian, Alaska, **Imlay**, R. W.; Cretaceous Ammonites from the Upper Chitina Valley, Alaska, **Matsumoto**, T.; Triassic Ammonoids from Peace River Foothills, British Columbia, **McLearn**, F. H.; Microfauna from the Exshaw formation near the Brazeau River, Jasper Park, Alberta, **Schindewolf**, O. H.; Evolutionary trends in Cretaceous gastroplitan ammonoids of W. Canada, **Warren**, P. S.& **Jtelck**; Devonian reference fossils of Western Canada, **Warren & Stelck** (1); Inland Mollusca from Hudson Bay, Manitoba, **Wayne**, W. J.

North-East United States.—Massachusetts, Introduction of Unionids to Ipswich River, **Clarke**, A. H., Jr. (2); Land snails of Carroll Co., Maryland, **Grimm**, W.; On some Maryland and Virginia land snails, **Grimm**, W. (1); Mollusca of Lebanon Co., Pennsylvania, **Heilman & MacMillan**; Oyster set in the Niantic River, Connecticut, on cultch buoyed near the surface, **Marshall**, N.; Miocene lamellibranchs from Chesapeake Bay compared with those of Miocene age in W. Europe, **Mongin**, D.; Land snails of E. N. Hayek Preserve, New York, **Muchmore**, W. B.; New species of Miocene Mollusca from Maryland, **Oleksyshyn**, J.; Pleistocene molluscs from Humboldt Deposite, Ross County, Ohio, **Reynolds**, M. B.; Kentucky—Mollusca of the Salt River, **Rosewater**, J. (1).

South-East United States.—First record of *Zachrysia auricoma* in Florida, **Clench**, W. J. (7); *Marisa* introduced into canals in the Everglades, S. Florida, **Hunt**, B. P.; Devonian fossils from DeKalb County, Tennessee, **Kellberg & Mayer**; Fecal pellets of S. Florida invertebrates, **Manning & Kumpf**; Florida Ellobiidae, Ecological observations, **Morrison**, J. P. E.; Palaeoecology of a Miocene Trent molluscan fauna at Silverdale, Onslow County, North Carolina, **Smith**, A. B.

Central North United States.—Handbook of the Gastropoda in Kansas, **Leonard**, A. B.; Iowa, occurrence of *Quickella vandae*, **Webb**, G. R. (4):

Central South United States.—Oklahoma occurrence of *Rumina decollata*, **Branson**, B. A. (1); Occurrence of *Succinea pseudavara* in Texas, **Webb**, G. R. (2).

North-West United States.—*Arion ater* occurrence in Seattle, **Chace**, E. P.; *Hemphillia* collected on Larch Mt. and Eagle Creek Canyon, Oregon, **Kosloff & Vance**; *Ptychaspis* faunule containing molluscs from Bear River Range, S.E. Idaho, Cambrian formation, **Lockman & Hu**; New slugs from N.W. America, **Webb**, G. R.

South-West United States.—Recent non marine molluscan sediments from Matty Canyon, Pima County, Arizona, **Drake**, R. J.; *Dosinia* of the lower Oligocene, California, **Durham**, J. W.; Pleistocene molluscs from Tecolote Creek, San Diego, California, **Emerson & Chace**; Cretaceous Ammonites of California, **Matsumoto**, T. (1); Upper Cretaceous ammonites of California, **Matsumoto** T. (2); Albian ammonites from Northern California, **Murphy & Rodda**; Utah, an additional record for *Lymnaea auricularia*, **Roscoe**, E. J.; *Columella edentula* in California, U.S.A., **Smith**, A. G.; San Francisco record of *Testacella haliotoidea* Drap., **Smith**, A. G. (2); *Trilobopsis* from the Trinity River, California, **Talmadge**, R. R. (2); Mission Bay, California, Pleistocene molluscs, **Valentine**, J. W.; New Pleistocene gastropod from Palos Verdes Hills, Los Angeles County, California, **Valentine & Susuki.**

CENTRAL AMERICAN REGION

Central America.—New *Microconus* from Central America, **Thompson**, F. G. (2); Guatemala, a new *Spiraxis*, **Thompson**, F. G. (3); Tertiary gastropods of the Canal Zone and adjoining parts of Panama, **Woodring**. W. P.

Mexico.—Catalogue of Pleistocene Mollusca from Punta Cabras, Baja California, **Addicott & Emerson**. Upper Cretaceous radiolitids from Cuernavaca, Morelos State, **Bauman, Jr.**, C. F.; The gastropod genus *Pterorytis* from the Miocene, **Emerson**, W. K.; Pliocene marine deposits from Baja California, **Hertlein & Allison**; Pliocene and Pleistocene megafossils from the Tres Marías Islands, **Hertlein & Emerson**; Two new species of gastropods from South Coronado Island, Lower California, **Stohler**, R.; New *Lithasiopsis*, **Thompson**, F. G.

West Indies.—New *Crocidopoma*, Haiti, **Alcalde & Jacobson**; West Indian Streptaxidae, new records. **Clench**, W. J.; Intraspecific predation in Puerto Rican snails, **Ferguson**, F. F.; Snail abundance in Puerto Rico, **Pimentel & White**; *Australorbis* sp. in Guaynabo River, Puerto Rico, **Rowan**, W. B.

SOUTH AMERICAN REGION

Colombia.—A new species of *Rhodea*, **Pilsbry**, H. A.

Venezuela.—Inland molluscs from Venezuela, Southern Brazil and Peru, **Haas**, F.

Peru.—Land molluscs from Venezuela, S. Brazil and Peru, **Haas**, F.; *Orthalicus* (*Metorthalicus*) *labeo*, **Pain**, T. (1); Mollusca of the coastal plain of Guadalupito, Lima, **Ranson**, G. (2).

Brazil.—Land molluscs from Venezuela, S. Brazil and Peru, **Haas**, F.; *Australorbis glabratus* in Pernambuco State, **Magalhães**, J. F.; Brazilian species of *Drepanotrema petricola*, **Paraense & Deslandes** (1); *Oncomelania*, **Rey**, L.; Mollusca from Pará State, **Santos Coelho** (1); New species from Montenegro, **Schütt**. H.

Argentina.—A new Jurassic Trigonid from Neuquén, **Marifielarena**, M. M. P. de.

(B) Marine

ARCTIC

Arctic Seas.—Beach collecting in the Arctic, **Hanna**, G. D.; Pelagic larvae in the Kandalaksha Bay of the White Sea, **Mileikovsky**, S. A.

NORTH TEMPERATE

Eastern North Atlantic.—Kames Bay, Millport, Veneridae, **Ansell**, A. D.; *Jujubinus striosus* from the N. Coast of Spain, **Fischer-Piette & Gaillard**; *Patella* from the Atlantic coast of N. Morocco and the Iberian peninsula, **Fischer-Piette & Gaillard** (1); *Saxicavella jeffreysi* found at Plymouth, **Holme**, N. A. (1); Occurrence of *Loligo forbesi* stranded on the beach W. of Charmouth, Dorset, England, **Lang**, W. D.; Distribution of Mytilidae and Pectinidae in the Arcachon Basin, France, **Lubet**, P.; Marine Mollusca, Lancashire and Cheshire, England, **McMillan**, N. F.; Distribution of scallops round the Isle of Man, **Mason**, J.; *Eledone cirrhosa* distribution in inshore waters, Gt. Britain, **Rees**, W. J.; Cephalopoda of Madeira, **Rees & Maul**; *Haliotis* from the Canary Islands, **Talmadge**, R. (1).

Western Atlantic.—Western Atlantic *Sconsia*, **Clench**, W. J. (9); The genus *Columbarium* in the Western Atlantic, **Clench**, W. J. (10); *Murex* in the Western Atlantic, **Clench**, W. J. (11); *Octopus* "*rugosus*" from W. Atlantic discussed, **Pickford**, G. (1); Phasianellidae of the Western

Atlantic (*Tricolia*), **Robertson, R.** (1); *Hemitoma* and *Diodora* species, **Turner, R. D.** (2); *Amaea* and *Epitonium* as represented in the Western Atlantic, **Turner, R. D.** (3); *Thysanoteuthis rhombus* new to the W. Atlantic, **Voss & Erdman.**

Western North Atlantic.—*Urosalpinx* and *Eupleura* in Chesapeake Bay, Maryland, U.S.A., **Allen, J. F.** (1); Abyssal molluscs from off Bermuda, **Clarke, jr., A. H.** (3); Massachusetts—Intertidal stranding of *Clione limacina*, **Rosewater, J.** (2).

Gulf of Mexico and the Caribbean.—*Conus armileatus* C. B. Adams rediscovered on Aruba Island, Dutch Antilles, **Abbott, R. T.**, Texas. Additions to marine molluscs, **Moore, D. R.**; Marine communities of Margarita Island, Venezuela, **Rodriguez, G.**

North Sea.—The Netherland beach as a cemetery for Molluscs, **Altena, C. O. v. R.** (1); Food and feeding habits of herrings in the northern North Sea, **Bhattacharyya, R. N.**; The coastal waters of the Netherlands as an environment of molluscan life, **Kristen, I.**; Molluscan fauna of Scottish inshore fishing grounds on the E. coast, **McIntyre, A. D.**; General study of marine wood-boring organisms of Western Norway, **Nair, N. B.**; Mollusca eaten by the lemon sole off the Shetland Isles, **Rae, B. B.**; The Netherland coastal waters as an environment for Nudibranchs, **Swennen, C.**; *Spisula* species of the Netherland coasts, **Urk, R. M. v.**

Black Sea.—*Corbulomya* from the Gulf of Odessa near the Crimean coast of the Black Sea, **Băcescо M., Dumitrescо, et al.**; Teredinidae in the Azov Sea, **Esakova & Soldatova**; Researches on Black Sea zooplankton, **Mărgineanu & Petran.**

Baltic Sea.—Molluscan larvae in the Baltic, **Waldman, J.**; Quantitative plankton samples taken in the Bay of Wismar, W. Baltic, **Waldmann, J.** (1); *Dreissensia* as food for fish spawn in Szczecin Bay, **Wiktor, K.**

Mediterranean Sea.—Marine Mollusca from La Ciotat, at the mouth of the Rhone, **Devidts, J.**; Mollusca of the Bosphorus, **Kanéva-Abadjiéva, V.**; Deposit of neritic, molluscs, Vivara Island, Punta di Mezzodi, Gulf of Naples, **Parenzan, P.**; Ecological study of the Bay of Naples, **Parenzan, P.** (1); Revision of marine molluscs from Sicily, **Priolo, O.**

Eastern North Pacific.—*Conus* species of Clipperton Island, **Allison, E. G.**; Pectinidae of the eastern Pacific, **Grau, G.**; Marine shells of Middleton Island, Alaska, **Hanna & Hertlein**; Californian Oysters, **Hertlein, L. G.**; *Conus* species of Tropical West America, **Hill, H. R.**; Pleistocene invertebrates from Newport Bay area, California, **Kanakoff & Emerson**; *Conus* from Hawaii. **Kohn, A. J.**; Ecology of *Conus* in Hawaii, **Kohn, A. J.** (1); Marine molluscs from Point Barrow, Alaska, **MacGintie, N.**; A new species of *Decipifus* Olsson & McGinty, 1958, **McLean, J. H.**; Characteristic animals from the Costa Rican abyss, **Menzies, Ewing, et al.**; Gastropod range extensions, Gulf of California, **Shasky, D.**; Range extension of some West North American marine species, **Stohler, R.** (2); Mollusca collected during the Red Tide 1958 at Ensenada, Baja California, **Stohler, R.** (5); California, Huntingdon Beach, Mesa—a faunule, **Valentine, J. W.** (1); New species of sea hare from Malibu, California, **Winkler, L. R.**

Western Pacific.—Two new species of *Teredo* from the W. Pacific, **Edmondson, C. H.**; *Vampyroteuthis infernalis* collected by "Galathea" in the Western Pacific, **Pickford, G. E.**

Western North Pacific.—Stiligeridae from Japan **Baba, K.**; A new record of *Embletonia gracile* from Japan, **Baba, K.** (1); *Chelidonura* and a new species *C. tsurugensis* from Japan, **Baba & Abe**; *Neptunea arthritica* and *Littorina squalida* from Boussét Lagoon, Aniva Bay, Sakhalin, Japan, **Golikov, A. N.**; Pelecypod shell remains of Ariake Bay, Japan, **Habe, T.**; A new *Siphonalia* and a *Mitra* from Japanese waters, **Kira, T.**; New marine shells from Japan, **Kuroda, T.**; A new species from Japan *Latiaxis filiaregis*, **Kurohara**; A new *Trophonopsis* from Japanese waters, **Okutani, T.**; Japanese *Orthosurcula*, **Otuka, Y.**; A new *Beringius* and notes on described forms, **Smith, A. G.** (1); Coloured illustrations of Japanese sea shore animals, **Utinomi, H.**; Fauna of shell bearing molluscs in Mutsu Bay, Japan, **Yamamoto & Habe.**

TROPICAL AND SUBTROPICAL

East Atlantic.—Mollusca collected during an excursion to the Bijagoz Islands, Portuguese Guinea, **Villiers, S.**

West Atlantic.—*Conus fosteri* Clench & Aguayo now known from Venezuela, **Clench, W. J.** (3);

Red Sea.—Three Red Sea nudibranchs, biology and development, **Gohar & Abul-Ela**; Opisthobranchia of the Red Sea, **Marcus, Er. & Ev.**

Indian Ocean.—Vasidae in the Indo-Pacific, **Abbott, R. T.** (3); West Australian cowries, **Cotton, B. C.** (1); *Gyrina gigantea* taken off the Natal coast, **Dance, S. P.** (1); Opisthobranchia of the Maldive Islands, **Marcus, Er. & Ev.**; *Monetaria annulus* from Zanzibar, **Orr, V.**; *Vampyroteuthis infernalis* collected by "Galathea" in the Indian Ocean, **Pickford, G. E.**; Madras wood-boring pholads, **Srinivasan, V. V.**. The cowries of the East African Coasts, **Verdcourt, B.**

SOUTH TEMPERATE AND SUB-ANTARCTIC

Eastern South Pacific.—Monoplacophora from the Panama-Deep and Peru-Chile Trench, **Feliksiak, S.**; Intertidal belt forming species on rocky coasts N. Chile, **Guiler, E. R.**; Lamellariacea and Opisthobranchia from Chile, **Marcus, Er.** (2); Population density of the Peru-Chile trench, **Menzies, Ewing, et al.**; *Concholepas conchopas* shell study from the coast of Chile, **Schwabe, G. H.**; New and known Cephalopoda from Chile, **Thore, S.**

Western South Pacific.—Lamellariidae from eastern Australia, **Allan, J.**; Opisthobranchia from Victoria, Australia, **Burn, R.** (2); Adult albino cowry from Long Reef, N.S. Wales, **Colman, P.**; Long Reef New South Wales collection of Cypraeidae, **Colman, P.** (1); Distribution of *Amphidesma* in relation to marine biotic provinces in New Zealand, **Dawson, E. W.**; The Great Barrier Reef and adjacent isles, **Gillett & McNeill**; Intertidal zonation in Tasmania, **Guiler, E. R.** (1); Commensal *Hipponix* at Flinders (Victoria) Australia, **Hartley, T.**; Growth of *Teredo* in Otago Harbour, New Zealand, **Hurley, D. E.**; Mollusca of Bass Strait, Tasmania, **Jennings, J. N.**; New records from Manukau Harbour, New Zealand, **Jones, A. H.**; *Charonia* from Manukau Harbour, New Zealand, **Jones, A. H.** (1); Tasmanian intertidal Mollusca, **Kershaw, R. C.**; Heron Island, Queensland, conchological and marine study, **McCamley, F.** (1); *Cymbiola* from the Arafura Sea near Thursday Island, **Okutani, T.** (1); Marine fouling at Auckland, New Zealand, **Skerman, T. M.**; Octopus feeding at Golden Bay, Paterson Inlet Stewart Island, New Zealand, **Smith, E.**; Marine Mollusca of the New Hebrides, **Solem, A.** (3); Marine molluscs from Manus Island, Admiralty Islands, **Solem, A.** (6); Introduction of *Crassostrea gigas* to Australia from Japan, **Thomson, J. M.**; Fouling by marine organisms in Sydney Harour, **Wiseley, B.**

South African Waters.—South African marine Gastropoda, **Barnard, K. H.**;

ANTARCTIC

Antarctic Seas.—Photographs of the sea bed in McMurdo Sound, Antarctica, **Bullivant, J. S.**; *Nuttalochiton hyadesi* from the Weddell Sea (lat. 64°S. long. 57°W), **Castellanos, Z. J. A. de (1)**; B.A.N.Z. antarctic research expedition Cephalopoda, **Dell, R. K. (1)**; Antarctica, Biological collecting using aqualungs and neoprene suits, **Neushal, jr., M.**

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Note.—The arrangement here used follows in general that of Thiele's 'Handbuch.' The most important differences are that Epitonacea *and* Pyramidellacea *are placed proceeding* Muricacea *in order of grouping and the families* Triviidae *and* Eratidae *are placed in* Lamellariacea. The fossil Cephalopoda is arranged in general according to Tome 2 of 'Traité de Paléontologie,' **J. Piveteau.**

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†*Anulipecten* **gen. nov.** p. 26; due to revision of *Aviculopecten* Devonian forms, gen. type *Aviculopecten amicus* Barrande 1881, Lower Devonian, Bohemia, Pterinopectinidae, **Růžička, et al.**

†*Asoella* **subgen. nov.** p. 2, *Eumorphotis* (*Asoella*) *confertoradiata* p. 4, pl. 1, figs. 1–6, 12; text-fig. 1; *E.* (*A.*) *laevigata* p. 5, pl. 1, figs. 7–10, text-fig. 2, Upper Aso stage at Higaeribara; *E.* (*A.*) *makatsukensis* p. 6, pl. 1, figs. 11, 13, 14, Middle Nakatsuka at Morimoto, West Japan, **spp. nov., Tokuyama, A. (1).**

†*Atomodesma* sp. from Kawan Island indicating Permian age, **Milligan, E. N.**; *Atomodesma* (*Aphanaia*) *trechmanni*; *Atomodesma* (*Kolymia*) *marwicki* recorded from the Permian of New Zealand and described, **Waterhouse, J. B.**

†*Aucella* succession and speciation, **Imlay, R. W. (1).**

†*Aucellina* **sp. nov.** *A.* aff. *A. aptiensis* (d'Orbigny) p. 14, text-fig. 1; *Aucellina* **sp. nov.** B, cf. *A. gryphaeoides* (Sowerby) p. 15, text-fig. 2; *Aucellina* **sp. nov.** C. cf *A. hughendenensis* (Etheridge sen.) p. 16, text-fig. 3; *A. hughendenensis* p. 17, text-fig. 4; *Aucellina* **sp. nov.** E. cf. *A. incurva* (Etheridge jun.) p. 18, text-fig. 5; *Aucellina* **sp. nov.** F. aff. *A. incurva* (Etheridge jun.) p. 18, text-fig. 6, Albian, Oodnadatta, S. Australia, **Brunnschweiler, R. O. (1).**

†*Bakevellia* (*Maizuria*) and *B.* (*Neobakevellia*) **subgenn. nov.** q.v., **Nakazawa, K. (1)**; *Bakevellia* (*B.*) *gujoensis* **sp. nov.** p. 198, pl. 1, figs. 3–8, text-fig. 3, Permian, Gujo, Oe-cho, Kyoto Pref. Japan, **Nakazawa, K. (1)**; *Bakevellia* (*B.*) **sp. nov. indet.** p. 199, pl. 1, figs. 9a–c; name not proposed as only one example found, Permian, Japan, **Nakazawa, K. (1).**

†*Bakevelloides* **gen. nov.** p. 148, type sp. " *Gervillia* " *hekiensis*, West Japan, Bakevelliidae, **Tokuyama, A.**

†*Eumorphotis* (*Ascella*) **subgen. nov.** q.v., **Tokuyama, A. (1).**

†*Fascinewellipecten* **subgen. nov.** of *Newellipecten* q.v. **Růžička, et al.**

†*Halobia atsuensis* p. 14, pl. 1, fig. 28; *H. subsedaka* p. 15, pl. 1, fig. 29, **spp. nov.**, black shales in upper Atsu at Iwagouchi and Nagato, West Japan, Triassic, **Tokuyama, A. (1).**

†*Inoceramus agdjakendsis* **sp. nov.**, Agdzhakend, Karachai river basin, Shaumyanovsk region, Azerbaidjan, Campanian, Cretaceous, **Aliev, M. M.**; *I. wandereri* and *I. inconstans* from the Cretaceous of Bazarchai river basin, Armenia, **Aliev, Baghmanov & Mamedzade**; *I.* (s.l) *morii* **sp. nov.** p. 59, pl. V, figs. 12–14, Jurassic, Akaiwazaki, N.E. Japan, **Hayami, I. (6)**; *I.* cf. *galoi* from Ponui Island indicating Upper Jurassic age for the rocks, **Milligan, E. N.**; *I. labiatus* from the Cretaceous of the Balkans, **Petković & Marković**; *I. labiatus* the community in Upper Turonian Cretaceous, times, North America and Europe, **Stevenson, R. E.**

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†*Leiopteria rafinesquii* from the Thedford-Arkona region of South Western Ontario; *L. ausablensis* **sp. nov.** p. 7, pl. I, figs. 6–10; pl. II, figs. 1–14, Middle Devonian Arkona Shale, Ontario, **Ehlers & Wright.**

†*Maizuria* **subgen. nov.** of *Bakevellia* p. 201, type sp. *B.* (*M.*) *kambei* **sp. nov.** pp. 201, *204*, pl. 2, figs. 1–12, text-fig. 7, Triassic, Maizuru zone, Fukumoto; *B.* (*M.*) *okuyamensis* **sp. nov.** p. 202, pl. 1, figs. 18–21, text-figs. 5, 6, Triassic, Okuyama; *B.* (*M.*) *kambei dannensis* **subsp. nov.** p. 206, pl. 2, figs. 13, 14, Dan, Triassic; *B.* (*M.*) *kambei* **subsp. nov.** ? **indet.** p. 207, pl. 2, figs. 15a-c, one specimen, Triassic Miyanooku; *B.* (*M.*) *narawarensis* **sp. nov.** p. 207, pl. 2, figs. 16–21, Triassic, Narawa, Japan, **Nakazawa, K. (1).**

†*Neobakevellia* **subgen. nov.** of *Bakevellia* p. 200, *Bakevellia* (*N.*) *tsuzuradaniensis* **sp. nov.** p. 200, pl. 1, figs. 10–12, text-fig. 4, Oe-Cho, Kyoto Pref. Japan, Permian, **Nakazawa, K. (1).**

†*Newellipecten* **gen. nov.** p. 15, due to revision of the Devonian forms of the genus *Aviculopecten*; genotype *A. niobe*, Barrande 1881, Lower Devonian, Bohemia, Pterinopectinidae *Newellipecten* (*Newellipecten*) **subgen. nov.** p. 16, typical of the genus *Newellipecten* identical with genotype *Aviculopecten niobe*, Lower Devonian, Bohemia, *Newellipecten* (*Fascinewellipecten*) **subgen. nov.** p. 20; subgenotype *Aviculopecten consolans* Barrande 1881, Lower Devonian, Bohemia, **Růžička, et al.**

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†*Waagenoperna* **nom. nov.** for *Edentula* Waagen 1907, non Nitzsch 1820, type sp. *Edentula lateplanata*, Upper Triassic, South Alps and Japan, **Tokuyama, A.**

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†*Camptonectes* (s.s.) *inexpectatus* **sp. nov.** p. 70, pl. 7, figs. 4–5, Futamataji, Miyagi Prefecture, Japan, Jurassic, **Hayami, I. (3).**

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†*Chlamys kobayashi* **sp. nov.** p. 133, pl. 14, figs. 1–2, Kodaijima Strait, Miyagi Pref. Japan, Liassic, **Hayami, I. (1)**; *C. mitaraiensis* **sp. nov.** p. 151, pl. XII, figs. 17–20, Mitarai, Central Japan, Jurassic, **Hayami, I, (4)**; *C. cosibensis hanzawae* **subsp. nov.** p. 125, pl. 13, figs. 10–15, Sugota formation in Akita Prefecture, Miyagi Ishikawa, Iwate and Saitama Prefectures, Japan, Miocene, **Masuda, K.**; *C. camptonectoides* **sp. nov.** p. 174, pl. 19, figs. 16, 17, Tatenosawa, Koike, North Japan, Jursasic Soma Group, **Tamura, M. (2).**

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†*Entolium inequivalve* **sp. nov.** p. 154, pl. XIII, figs. 3–8, Mitarai, Central Japan, Jurassic, **Hayami, I. (4)**; *E. kimurai* **sp. nov.** p. 60, pl. 6, figs. 23–29, Kozaki, Sakamoto, Matsuzaki, Ohira (Kyushu), Japan, U. Jurassic, **Tamura, M. (1).**

†*Leiopecten praerectangularis* **sp. nov.** p. 43, pl. 4, f. 4, Lower Devonian, Balkhash region, Southern edge of Karagand basin, and Aina-Su river, Kazakhstan, U.S.S.R., **Krasilova, I. N.**

†*Leiopectinella* **gen. nov.** p. 45, Leiopectinidae **fam. nov.**, Pectinacea, type sp. *Avicula subequilatera* Hall, 1859, Lower Devonian, N. America; Balkash region, Kazakstan, U.S.S.R., **Krasilova, I. N.**

†Leiopectinidae **fam. nov.** p. 42 for *Leiopecten* Khalfin, 1940 and *Leiopectinella* Krasilova, **gen. nov.**, Silurian—Devonian, **Krasilova, I. N.**

†*Lima* (*Plagiostoma*) sp. indet. fragments from Sycarham Beds, Yorkshire, **Bate, R. H.**; *L.* (*Plagiostoma*) *enormicosta* **sp. nov.** p. 177, pl. 19, figs. 32–34, Minamisawa, Soma City, North Japan, Jurassic Soma Group, **Tamura, M. (2).**

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†*Pecten arcuatus* horizon in S.W. Armenia, **Aslanyan, P. M.**; *P. cosibensis* and its related species from Sendai, Japan, **Masuda, K.**; *P. swiftii* from the Miocene near Sendai, Japan, **Masuda, K. (1)**; *P.* (*Patinopecetn*) *paraplebejus* mode of occurrence, geological significance and general remarks, **Masuda, K. (3).**

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†*Plicatula dichotomocosta* p. 178, pl. 19, figs. 35–37, Minamisawa, Soma City, North Japan, Jurassic Soma Group. **Tamura, M. (2).**

Spondylus cruentus electron microscopic studies of muscle, **Kawaguti & Ikemoto.**

†*Spondylus variocostatus* **sp. nov.** p. 389, pl. II, fig. 2, Marly limestones from Promina, Ledian, Eocene Drniš, Dalmatia, **Pavlovec, R.**

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Echion Poli 1791 type selected *Anomia caepa* L. 1758, a variant of *ephippium* p. 22, **Keen, A. M.**

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†*Exogyra couloni* silicified in the Hauterivian of Mount Tournier, **Gidon, P.**; *E. planata* **sp. nov.** p. 257, pl. 1, figs. 1, 1a, 1b, 2, Cenomanian, Scrisa, near Brancaleone, S. Calabria, **Smedile, M. I.**; *E. kumensis* **sp. nov.** pp. 24, 27, pl. 5, figs. 29–31, Ashikita-co, Kyushu, Japan, Upper Jurassic, **Tamura, M. (3).**

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†*Gryphaea incurva* supposed evolution from *Liostrea liassica*, **Hallam, A.**; *Gryphaea* as a zonal fossil in the Upper Broadford Beds, Skye, **Hallam, A. (1)**; *G. incurva* evolution review, **Joysey, K. A.**; *Gryphaea* from *Liostrea* criticism of paper by Hallam q.v., **Swinnerton, H. H.**

†*Liostrea irregularis* var. *dumortieri* distinction between this and *Gryphaea*, **Hallam, A.**

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†*Myophorella* (*Haidaia*) *pulex* pp. 23, 25, text-fig. 2, tab. 3, pl. 5, figs. 15–18; *M.* (*H.*) *ohmachii* pp. 24, 25, pl. 5, figs. 23–26, **spp. nov.** Shikoku, Kyushu Japan, Upper Jurassic, **Tamura, M. (3).**

†*Trigonia littlei* **sp. nov.** p. 9, pl. II, figs. 6a, b, c, 7, 8, Marine Jurassic rocks, ridge north-east of Parks, Salmo area British Columbia, **Frebold, H.**; *T. frenguellii* **sp. nov.** p. 183, pl. 1, figs. 2, 3, Jurassic Argentina, **Mariñelarena, M. M. P. de.**

†*Trigonioides paucisulcatus suzukii* **subsp. nov.** p. 102, pl. 11, figs. 12–20, Hata, Katsuki-machi, Yahata-city, Fukuoka Pref. Japan, Cretaceous and *Trigonioides* classification, **Ota, Y. (1).**

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†*Eutylus cuneatus* (Morris) from Palaeocene Thanet Sands of Kent, redescribed and figured, **Cox, L. R. (2).**

Martesia striata settling on filmed and clean blocks, **Nagabhushanam, R.**; *M.* (*M.*) *striata* damage to timber in Madras; *M.* (*M.*) *fragilis* damage to timber at Porto Novo, and Madras, **Srinivasan, V. V.**

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†*Burmesia japonica* **sp. nov.** p. 74, pl. 7, figs. 13–18, Futamataji, Niranohama (Miyagi Prefecture), Japan, **Hayami, I. (3).**

Lampeia **subgen. nov.** of *Thracia* p. 163, genotype *T. adamsi* **sp. nov.** p. 163, pl. 18, fig. 9, pl. 21, figs. 7, 8, pl. 24, fig. 8, Point Barrow, Alaska, **MacGintie, N.**

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Myodora latilirata **nom. nov.** for *M. gabrieli* Macpherson non †*M. gabrieli* Chapman & Crespin 1928, **Macpherson, J. H.**

†*Periploma mitsuganoense* **sp. nov.** p. 163, pl. 18, figs. 2a, 2b, Matsukizan formation, Miocene; Mitsugano, Mie Prefecture, Japan, **Araki, Y.**

†*Pholadomya* ? *ashikitensis* **sp. nov.** p. 118, pl. 12, figs. 26, 27, Uminoura, Kyushu, Japan, Jurassic, **Tamura, M.**

†*Pleuromya hidensis* **sp. nov.** p. 158, pl. XIII, figs. 12, 13, Mitarai, Central Japan, Jurassic, **Hayami, I. (4)**; *Pleuromya* ? *punctostriae* **sp. nov.** p. 117, pl. 12, figs. 29–32, Sakamoto, Kyushu, Japan, Jurassic, **Tamura, M.**

†*Tetorimya* **gen. nov.** p. 159, Pholadomyacidae, type sp. *T. carinata* **sp. nov.** p. 161, pl. XIII, figs. 14–16, Nonomata and Mitarai, Central Japan, Jurassic, **Hayami, I. (4).**

Thracia meridionals from the bottom of the Ross Sea, **Bullivant, J. S.**; *T.* (*Trigonothracia*) **subgen. nov. q.v., Yamamoto & Habe.**

†*Thracia shokawensis* **sp. nov.** p. 162, pl. XIII, figs. 17–19, Nonomata and Mitarai, Central Japan, Jurassic, **Hayami, I. (4).**

Trigonothracia **subgen. nov.** p. 117, type sp. *Thracia* (*Trigonothracia*) *nomurai* **sp. nov.** p. 117, pl. XII, figs. 9–10, Kugurizaka, Japan, **Yamamoto & Habe.**

†*Wilkingia* **gen. nov.** p. 402, for *Allorisma* King 1850, genotype *Wilkingia* (*Venus*) *elliptica* p. 402, pl. 71, figs. 1–6, Lower Carboniferous, Northumberland, **Wilson, R. B.**

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†*Cuspidaria* (?) *praenipponica* **sp. nov.** p. 73, pl. 7, figs. 9–12, Futamataji, Kusakariyama (Miyagi Prefecture), Japan, **Hayami, I. (3).**

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Eledone cirrosa blood flow, **Mislin, H.**; *E. cirrhosa* young larvae described and figured, eggs and larvae, distribution and characteristics of *E. cirrhosa* and *E. moschata* **Rees, W. J.**; *E. moschata* vascular system, **Bertetti, C.**; *E. moschata* epistellar body, **Figueiredo & Sacarrão**; *Eledone* sp. chemical study of the ommochromes in the eye and skin, **Forrest, H. S.**

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Idiosepius notoides general coloration and characteristics from Victorian waters, **Burn, R. (1).**

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Megalocranchia richardsoni **sp. nov.** pp. 1, *10*, figs. 7–10, White Island Trench, and Cook Strait, New Zealand, **Dell, R. K.**

Octopodidae from the collection made by the B.A.N.Z.A.R. expedition, **Dell, R. K. (1).**

Octopus apollyon anatomy, **Winkler & Ashley**; *O. bimaculoides* anatomy and histology of reproductive organs, **Peterson, R. P.**; *O. cyaneus* development, **Dew, B. (1)**; *O. macropus* and *O. vulgaris* extraction of cephalotoxin, **Ghiretti, F.**; *O. maorum* common in Stewart Island waters, general notes, **Smith, E.**; *O. rugosus* some forms from eastern Atlantic now considered to be *O. vulgaris* **Lam., Pickford, G. (1)**; *O. vincenti* **sp. nov.** p. 159, Cape Verde Islands, figured by Adam, 1952, Res. Sci. Exped. Ocean. Belge . . . Côtiéres Afr. de l'Atlant. Sud. 3, pt. 3, **Pickford, G. (1)**; *O. vulgaris* sodium and potassium in the statocyst and eye, **Amoore, Rodgers & Young**; *O. vulgaris* electron microscope study of mitochondria, **Bolognari, A. (2)**; *O. vulgaris* epistellar gland and stellate ganglion, **Figueiredo & Sacarrão**; *O. vulgaris* vascular supply to nerve ganglia, **Graziadei, P. (3)**; *O. vulgaris* rhodopsin extraction, **Kropf, Brown & Hubbard**; *O. vulgaris* study of blood flow in the arms, **Mislin, H.**; *O. vulgaris* hatching glands, **Orelli, M., v.**; *O. vulgaris* purification and properties of D-glutamic acid oxidase, **Rocca & Ghiretti**; *O. vulgaris* visual shape discrimination, **Sutherland, N. S.**; *O. vulgaris* simultaneous discrimination training and preferred directions of motion in visual discrimination of shape, **Sutherland & Muntz**; *O. vulgaris* touch learning centre, **Wells, M. J. (1)**; *O. vulgaris* hormonal control of sexual maturity, **Wells, M. J. & J.**; *O. vulgaris* biometric study of the nervous system, **Wirz, K.**

Ommatostrephes sp. chemical study of the ommochromes in the eye, **Forrest, H. S.**; *O. sloani pacificus* identification of M-Actomyosin from aqueous muscle extract, **Matsumoto, J. J.**; *O. sloani pacificus* electrophoretic study of actomyosin, **Matsumoto, J. J. (1)**; *O. sloani pacificus* fibrous muscle proteins, **Matsumoto & Okuyama**; *O. sloani pacificus* contents of inorganic substances in viscera, **Takahashi, T.**; *O. sloani pacificus* nitrogenous compounds of liver in hot water extracts, **Takahashi, T. (1).**

Robsonella fontaniana specimens from the British Museum collections redescribed, **Pickford, G. (1).**

Semirossia tenera patagonica **subsp. nov.** Chiloé island, Chile, p. 16, f. 9, **Thore, S.**

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Sepioloidea lineolata development **Dew, B.**; *S. pacifica* additional distribution records and ecology from New Zealand, **Dell, R. K.**

Sepioteuthis lessoaiana biochemical studies of eggs, **Suyama, M.**

Thysanoteuthis rhombus Troschel, found in stomach of marlin from Puerto Rico, new to the western Atlantic, measurements given, **Voss & Erdman.**

Tremoctopus violaceus stellate ganglion, **Figueiredo & Sacarrão.**

Vampyroteuthis infernalis recorded for the first time from New Zealand, **Dell, R. K.**; *V. infernalis* description of 15 specimens collected by "Galathea" in the Indian Ocean and Western Pacific, a possible racial difference between specimens from these two regions, as exceptionally large sexually mature female from off Durban, S. Africa, is described in detail and a specimen from the Tasman Sea represents the southernmost record for the species, **Pickford, G. E.**

Fossil

NAUTILOIDEA

Michelinoceratida

†*Allanoceras* **gen. nov.** p. 57, Orthoceratida Pseudorthoceratidae. Genotype: *A. inusitatum* **sp. nov.** pp. 57, 58, Ludlovian, Silurian, Shuran, Southern Ferghana, U.S.S.R., **Barskov, I. S.**

†*Dolorthoceras kionoideum* **sp. nov.** p. 54, pl. 3, fig. 5, Carboniferous, Germany, **Schmidt, H.**

†*Orthoceros* Bruunich, 1771, and *Orthocera* Modeer, 1789, proposed suppression to stabilize the generic name *Orthoceras* Bruguiere, 1789, **Melville, R. V.**

†*Pseudocycloceras* **gen. nov.** Nautiloidea, Orthoceratida, Pseudorthoceratidae, Genotype: *P. karanglense* **sp. nov.** p. 56, pl. 5, f. 1a, b, 2, Kadamdzhai [see Frunze], Ferghana, U.S.S.R., Ludlovian, Silurian, **Barskov, I. S.**

†*Pseudorthoceras comatum* **sp. nov.** p. 55, pl. 4, figs. 3a, b, text-fig. 3, Carboniferous, Germany, **Schmidt, H.**

Oncoceratida

†*Shuranoceras* **gen. nov.** p. 59, Oncoceratida, Oncoceratidae. Genotype: *S. dolmatovi* **sp. nov.** p. 59, pl. 5, f. 4a, b, v, Ludlovian, Silurian, Shuran, southern Ferghana, U.S.S.R., **Barskov, I. S.**

†*Turoceras* **gen. nov.** of Archiacoceratidae p. 46, genotype *Turoceras schnyrevae* **sp. nov.** p. 47, pl. 1, fig. 7, text-fig. 1, River Tura, U.S.S.R., Sverdlovsk region, Upper Silurian—Lower Devonian, **Zhuravleva, F. A.**

Discosorida

†*Konglungenoceras* **gen. nov.** Cyrtogomphoceratidae p. 59, **type sp.** *K. norvegicum* **sp. nov.** p. 61, pl. 10, figs. 1–5, text-fig. 1a–c, Ordovician from Konglungen, Oslo region, Norway, **Sweet, W. C.**

†*Parryoceras strandi* **sp. nov.** Cyrtogomphoceratidae, p. 58, pl. 9, figs. 5, 6; pl. 10, fig. 6, Upper Ordovician from Ringerike, Oslo region, Norway, **Sweet, W. C.**

†*Westenoceras* Foerste, 1924, proposed suppression to preserve the name *Westonoceras* Foerste, 1924, **Flower & Teichert.**

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†Tarphyceratida embryonic shells of Ordovician forms, **Stumbur, K. A.**

RUTOCERATIDA

†*Germanonautilus kyotanii* **sp. nov.** p. 129, pl. XI, figs. 1a–e, text-figs. 2a, b, Nariwa Group, Kojintawa, Jito, West Japan, **Nakazawa, K.**

†*Pseudofoordiceras* **gen. nov.** p. 76, Gzheloceratidae, Nautiloidea; Genotype *Metacoceras gregarium* Miller, 1945 [= *Foordiceras gregarium* (Miller) Miller & Youngquist, 1949] Brewster County, Texas, U.S.A. Permian [Genus omitted when this paper was recorded in 1955], **Ruzhentzev & Shimansky.**

†*Valhallites* **gen. nov.** p. 113, Tainoceratidae, Genotype: *Endolobus ornatus* Girty, 1911, North America; *V. kashirtzevi* **sp. nov.** p. 113, pl. 9, f. 1, Lower Permian, Verkoyanie, basin of river Batynshai, N. Siberia, U.S.S.R., **Shimansky, V. N.**

CENTROCERATIDA

†*Parapenascoceras* **gen. nov.** p. 93, Domatoceratidae, Nautiloidea; Genotype: *Titanoceras sanandreasense*, Miller, Dunbar & Condra, 1933, San Andreas limestone, middle Permian, Rio Penasco, south-eastern New Mexico, U.S.A.; also to include *P. aberrans* (Miller & Unklesbay), *P. militarium* (Hyatt) and *P. rotundatum* (Miller & Unklesbay]. **Ruzhentzev & Shimansky.**

†*Penascoceras* **gen. nov.** p. 93, Nautiloidea, Domatoceratidae; Genotype: *Domatoceras walteri* Miller & Unklesbay 1942, San Andres, New Mexico, U.S.A., Permian; also to include *P. northropi* (Miller & Unklesbay) and *P. bradyi* (Miller & Unklesbay): **Ruzhentzev & Shimansky.**

NAUTILIDA

†*Cenoceras trechmanni* from the Otamitan Stage (Upper Carnian) redescribed and figured, **Kummel, B.**

†*Cimomia yorkensis* **sp. nov.** p. 445, pl. 66, figs. 5–8, text-fig. 11, Yorke Peninsula, S. Australia, U. Eocene, **McGowran, B.**

†*Eutrephoceras japonicum*, a systematic survey, **Kobayashi & Kamada;** †*E. japonicum* bio-, thanato- and fossil history, **Kobayashi & Kamada (1).**

†*Nautilus kedabekiensis* **sp. nov.** p. 180, pl. 1, f. 1–3, Upper Jurassic, Kedabek, Azerbaidjan, **Abdulkasumzade, M. R.;** †*Nautilus macromphalus* conchiolin remnants in mother of pearl, **Gregoire, C. (1).**

AMMONOIDEA

Inner shell structure of some Artinskian ammonites, **Bogoslovskaya, M. F.;** Ontogeny and phylogeny of Devonian ammonites, **Bogoslovsky, B. I. (2);** Biological and systematic significance of septum and suture line, **Popov, Y. N. (1).**

APTYCHUS

†*Aptychus angulicostatus* from the Cretaceous of Poland, **Birkenmajer & Gasiorowski.**

†*Lamellaptychus angulocostatus* from the Cretaceous of Poland, **Birkenmajer & Gasiorowski.**

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GONIATITINA

†*Agoniatites clariondi* **sp. nov.** p. 77, fig. 251, pl. I, figs. 9–9a, 10, 11–11a, Upper Eifelian, Tafilalet; *A. bicaniculatus aplanata* **var. nov.** p. 80, fig. 25C, pl. III, figs. 11–11a, U. Eifelian, Erg el Djemel, Devonian, Sahara, **Petter, G.**

†*Anthracoceras discus* from a railway excavation in Carboniferous at Golonóg (Upper Silesia), **Czarniecki, S.**

†*Beloceras stenumbilicatum* **sp. nov.** p. 121, pl. 6, f. 5, pl. 8, f. 1, 2, Nikolaev area, mining Altai, U.S.S.R., Devonian, **Bogoslovsky, B. I. (2);** †*B. subacutum* **sp. nov.** p. 186, fig. 44C, pl. X, figs. 4–4a, Béni-Abbès, Sahara, Devonian, **Petter, G.**

†*Cabrieroceras* **gen. nov.** p. 73, Anarcestidae, Ammonoidea; Type sp. *Goniatites rouvillei* Koenen, 1886, Devonian, Southern France, Devonian of the mining Altai, U.S.S.R., **Bogoslovsky, B. I. (2).**

†*Cheiloceras rotundum* p. 231, fig. 53H, pl. XVII, fig. 20; *C. parvilobum* p. 231, fig. 53F, pl. XVII, fig. 21, Saoura; *C. rotundosellatum* p. 232, fig. 53E, pl. XVII, figs. 13–13a, **spp. nov.,** Devonian Sahara, **Petter, G.**

†*Curvites* **gen. nov.** p. 63 of Mimoceratinae, type sp. *C. tafilense* **sp. nov.** p. 63, fig. 23, pl. II, figs. 8–8a, Upper Eifelian (Devonian) Djebel Deba, Sahara, Africa, **Petter, G.**

†*Dimeroceras rotundum* **sp. nov.** p. 238, fig. 54C, pl. XXII, fig. 15, Saoura, Sahara, Devonian, **Petter, G.**

†*Discoclymenia cucullata* **var. nov.** ? p. 211, pl. XV, figs. 16–16a, Marhouma, Sahara, Devonian, **Petter, G.**

†*Entogonites borealis* from the Carboniferous of Cashel, Co. Fermanagh, N. Ireland, **Hodson, F. (2).**

†Eothinitidae **fam. nov.** p. 193, *Eothinites stenomphalus* **sp. nov.** p. 204, pl. 31, figs. 2–4, text-fig. 72, Lower Permian, Zhaksy-Kargala river, Southern Urals, **Ruzhentzev, V. E.**

†Ferganoceratinae **subfam. nov.** p. 203, of fam. Nomismoceratidae for *Ferganoceras* Librovitch 1947 nom. nud. 1957 (*F. elegans* Librovitch 1957), **Ruzhentzev V. E. (1).**

†*Glassoceras* **gen. nov.** p. 232 of Glassoceratinae **subfam. nov.** q.v., for *Stacheoceras normani* Miller & Furnish 1957, **Ruzhentzev, V. E. (1).**

†Glassoceratine **subfam. nov.** p. 231, of Vidrioceratidae, for *Glassoceras* **gen. nov.** (*Stacheoceras normani* Miller & Furnish 1957), *Subglassoceras* **subgen. nov.** (*Stacheoceras bransonorum* Miller & Cline 1934), **Ruzhentzev, V. E. (1).**

†*Goniatites concentricus* p. 385, pl. 64, figs. 1–3, 5–8; pl. 65, fig. 6, text-fig. 1, Dough Mt., Co. Leitrim; *G. radiatus* p. 391, pl. 67, fig. 1; pl. 68, figs. 1, 2, 4, 5, Dough Mt., **spp. nov.** Ireland, Viséan (Carboniferous), **Hodson & Moore.**

†Goniatitida on the origin of the order, **Bogoslovsky, B. I. (1).**

†*Homoceras* spp. palaeogeography of Western Europe, **Hodson, F.**

†Kargalitinae **subfam. nov.** p. 226, of Marathonitidae for *Kargalites* Ruzhencev 1938; *Tabantalites* Ruzhencev 1952; *Subkargalites* Ruzhencev 1950, **Ruzhentzev, V. E. (1).**

†*Komioceras* **gen. nov.** Gephyroceratidae Ammonoidea, p. 115; Genotype: *Timanites stuckenbergi* Holzapfel, 1899, Domanic horizon, Devonian, Timan north-west Russia, **Bogoslovsky, B. I. (2).**

†*Lobotornoceras bicaniculatum* **sp. nov.** p. 208, pl. XV, figs. 12–12b, Oued Aricha, Sahara, Devonian, **Petter, G.**

†*Manticoceras altaicum* p. 100 pl. 4, f. 1; *M. neverovi* p. 101, pl. 3, f. 1; *M. elisseevi* p. 111, pl. 4, f. 3, 4, Gryaznukhi river; *M. artum* p. 114, pl. 6, f. 2, **spp. nov.**, Nikolaev area, mining Altai, U.S.S.R., Devonian, **Bogoslovsky, B. I. (2)**; *M. schellwieni punctata* **var. nov.** p. 168, pl. XI, figs. 4–4a, 10–10a, Tazoult Nehra; *M. evolutum* **sp. nov.** p. 174, fig. 42A, pl. XVI, figs. 1–1a, Devonian, Sahara, **Petter, G.**

†*Marathonites* (*Almites*) *pressulus* **sp. nov.** p. 247, pl. 38, fig. 2, text-fig. 90, Lower Permian, Southern Urals, Aktasty River, **Ruzhentev, V. E.**

†Maximitidae **fam. nov.** p. 197, super-family Cheiloceratacea; for *Maximites* Miller & Furnish 1957 (*Imitoceras cherokeense* Miller & Owen 1939) and *Neoaganides* Plummer & Scott 1937 (*N. grahamensis* Plummer & Scott 1937), **Ruzhentzev, V. E. (1).**

†*Merocanites* sp. from the Devonian of Tennessee, **Kellberg & Mayer.**

†*Mesoglyphioceras* **gen. nov.** for Viséan goniatites p. 13; *Goniatites* (*M.*) *granosus* var. *dilatalta* p. 15, fig. 3; *G.* (*M.*) *g.* var. *aciculare* p. 15, fig. 4, **vars. nov.** Sahara, Viséan, **Pareyn, C.**

†*Metalegoceras rotundatum* **sp. nov.** p. 129, pl. 6, fig. 6; *M. sogurense inflatum* **subsp. ncv.** p. 135, pl. 8, fig. 3; *M. klimovi* **sp. nov.** p. 136, pl. 9, figs. 1–4, pl. 10, figs. 1, 2, text-fig. 38, Lower Permian, Southern Ural, Aktasty River, **Ruzhentzev, V. E.**

†*Neoglyphioceras* cf. *spirale* in the Yoredale Series at Ingleborough, **Hopkins, W.**; †*N. subcirculare* var. *benziregensis* p. 17, fig. 8; *N. s.* var. *globosa* p. 18, **vars. nov.**, Sahara, Viséan Carboniferous, **Pareyn, C.**

†*Paragastrioceras tchernovi* p. 153, pl. 13, figs. 4, 5,, text-fig. 44; *P. artolobatum* p. 156, pl. 15, figs. 1–3, text-fig. 46; *P. plicatum* p. 158, pl. 15, fig. 4, text-fig. 47; *P. modulatum* p. 159, pl. 15, figs. 5, 6, pl. 16, fig. 1, text-fig. 48; *P. alimbeti* p. 161, pl. 16, figs. 2, 3, text-fig. 49; *P. caducum* p. 162, pl. 17, fig. 1, text-fig. 50; *P. ilovaiskyi* p. 163, pl. 17, figs. 2–4, p. 51; *P. scitum* p. 164, pl. 17, figs. 5, 6, text-fig. 52; *P. tectum* p. 165, pl. 16, figs. 4. 5, text-fig. 53; *P. rauserae* p. 174, pl. 21, figs. 2–7, text-fig. 57; *P. verneuili* p. 176, pl. 21, fig. 8, pl. 22, figs. 1–3, text-fig. 58, **spp. nov.**; *P. jossae exile* **subsp. nov.** p. 173, pl. 21, fig. 1; Lower Permian, Southern Ural, River Alimbet, **Ruzhentzev, V. E.**

†*Pararnioceras truemani* **sp. nov.** p. 173, pl. XV figs. 9–12, text-figs. 15, 16, Liassic, S. Bernardo, Italy, **Vialli, V.**

†Parodoceratidae **fam. nov.** p. 222 of Cheiloceratacea; *Parodoceras brachystoma* **sp. nov.** p. 224, fig. 50B, pl. XVII, fig. 1–1a, Eifelian Devonian Saoura, Sahara, **Petter, G.**

†*Pharciceras bidentatum* p. 131, fig. 33M, pl. VII, figs. 11–11a, Gara n'Douar; *P. erraticum* p. 135, fig. 33N, pl. IX, figs. 17–17a, 18, 19; *P. arenicum* p. 138, fig. 33B, 34, pl. VII, figs. 6–8, 9–9a, pl. IX, figs. 3–3a, Erg el Djemel, **spp. nov.**; *P. a. carinata* **var. nov.** p. 139, pl. VIII, figs. 9, 10–10a, Erg el Djemel; *P.* (?) *errans* **sp. nov.** p. 142, fig. 33H, 37, pl. VIII, figs. 11–12, Oued Amerloh, Devonian, Sahara, **Petter, G.**

†*Ponticeras altaicum* p. 91, pl. 2, f. 7; *P. acutilobatum* p. 92, pl. 2, f. 6, **spp. nov.**, Nikolaev mine area, mining Altai, U.S.S.R., Devonian, **Bogoslovsky, B. I. (2).**

†*Prionoceras rotundum* **sp. nov.** p. 249, fig. 56I, pl. XIX, figs. 1–1a, 2–2a, 6, Zereg and Tamtert, Sahara, Devonian, **Petter, G.**

†*Probeloceras costulatum* **sp. nov.** p. 156, fig. 40D, pl. XI, figs. 7–7a, 8–8a, Erg el Djemel, Sahara, Devonian, **Petter, G.**; *P.* (?) *orientale* **sp. nov.** p. 89, pl. 2, f. 3–5, Devonian, Zolotukhi river, Gerikhovsk region, mining Altai, U.S.S.R., **Bogoslovsky, B. I. (2).**

†*Pseudofoordites* **gen. nov.** p. 64, Agoniatitidae, Genotype: *P. hyperboreus* **sp. nov.** p. 64, pl. 5, f. 4, Mid Devonian, White (?) Eletz river, Komi, Northern Urals, Russia, **Bogoslovsky, B. I. (3).**

†*Sellanarcestes* (?) *wenkenbachiformis* **sp. nov.** p. 77, pl. 1, f. 6, Devonian, Leninogorsk mine area, Mining Altai, U.S.S.R., **Bogoslovsky, B. I. (2).**

†*Sobolewia globularis* **sp. nov.** p. 215, fig. 48C, pl. XXIII, figs. 1–3, Saoura, Sahara, Eifelian Devonian, **Petter, G.**

†*Sporadoceras pseudocarinatum* **sp. nov.** p. 266, fig. 58H, pl. XXII, figs. 1–1a, 2–2a, Saoura, *S. heterolobatum globulosa*, **var. nov.** p. 276, fig. 58F, pl. XXII, figs. 9, 12–12a, Marhouma; *S. longilobatum* **sp. nov.** p. 276, fig. 58B, pl. XXII, figs. 11–11a, Marhouma. Sahara, Devonian, **Petter, G.**

†*Subglassoceras* **subgen. nov.** of *Glassoceras* p. 232; Vidrioceratidae for *Stacheoceras bransonorum* Miller & Cline 1934, **Ruzhentzev, V. E. (1).**

†*Timanites meridionalis* p. 160, fig. 41C, pl. IX, figs. 8–8a, 9–9a, 10–10a, Erg et Djemel; *T. complanatum* p. 160, pl. X, figs. 7, 8, 8a, Zeghamra **spp. nov.**, Devonian, Sahara, **Petter, G.**

†Timanoceratina **subord. nov.** p. 490, of Agoniatitida; Timanoceratidae **fam. nov.** p. 490; *Timanoceras* **gen. nov.** p. 490, Type: *T. ellipsoidale* **sp. nov.** pp. 490, *491*, fig. 2 on pl. facing p. 484, text-fig. 1, 3, Franconian, Devonian, Vezha-Vozh river, Timan, N.W. Russia, **Bogoslovsky, B. I.**

†*Tornoceras simplex* (Buch) structure, suture lines, **Bogoslovsky, B. I. (1).**

†*Triainoceras gerassimovi* **sp. nov.** p. 127, pl. 8, f. 3, Devonian, Gryaznukhi river, mining Altai, U.S.S.R., **Bogoslovsky, B. I. (2).**

†*Uraloceras vietum* p. 186, pl. 27, fig. 2, text-fig. 64; *U. gracilentrum* p. 188, pl. 27, figs. 3, 4, text-fig. 65; *U. extenuatum* p. 189, pl. 27, fig. 5, text-fig. 66; *U. belgushkense* p. 190, pl. 28, fig. 1, text-fig. 67, **spp. nov.**, Lower Permian, Southern Urals, Tas Kabak and Belgushki Rivers, **Ruzhentzev, V. E.**

†*Wernercoceras altaicum* p. 75, pl. f. 5, north-west slope of Bakhrushin; *W. socolicum* p. 76, pl. 1, f. 4, north-west slope of Sokol'noi, **spp. nov.**, Leninogorsk mine, mining Altai, U.S.S.R., Devonian, **Bogoslovsky, B. I. (2)**; *W. ruppachense carinata* **var. nov.** p. 100, fig. 27K, pl. V, fig. 9; *W. r. ougarta* **var. nov.**, p. 100, fig. 27G, pl. V, figs. 7, 10–10a, U. Eifelian Devonian, Erg el Djemel, Sahara, **Petter, G.**; *W. uralicum* **sp. nov.** p. 61, pl. 5, f. 1, 2, Mid Devonian, Eletz river, Komi, Northern Urals, Russia, **Bogoslovsky, B. I. (3).**

Ceratitina

†*Anakashmirites pakungensis* pp. 104, 273, pl. XXXVI, figs. 26, 27; *A. alternatus* pp. 105, 274, pl. XXXVI, figs. 28, 29, Tiengno district; *A. tsotengensis* pp. 105, 274; pl. XXXVII, figs. 23–25, Owenitan, Tientung district, **spp. nov.**, Triassic, Kwangsi, China, **Kingkoo, C.**

†*Anasibirites simplex* **sp. nov.** pp. 146, 327, pl. XL, figs. 7–9, Owenitan Triassic, Pakung village, Kwangsi, China, **Kingkoo, C.**

†Andersonoceratidae **fam. nov.** p. 57, Super family Otoceratacea, Ammonoidea, type genus: *Anderssonoceras* Grabau, 1924, **Ruzhentzev, V. E. (2).**

†*Arazoceras* **gen. nov.** p. 58, Araxoceratidae **fam. nov.** Otocerataceae, Genotype: *A. latissimum* **sp. nov.** p. 58, text-figs. 1a, 2a, Araks river, near Dzhul'fa, Armenia, U.S.S.R., Upper Permian, **Ruzhentzev, V. E. (2).**

†Araxoceratidae **fam. nov.** p. 57, Superfamily Otocerataceae, Ammonoidea, to include *Araxoceras* **gen. nov.**, *Rotaraxoceras* **gen. nov.**, *Prototoceras* Spath 1930, *Discotoceras* Spath, 1930, and *Urartoceras* **gen. nov.**, q.v. **Ruzhentzev, V. E. (2).**

†*Aspenites tenuis* **sp. nov.** pp. 102, 271, pl. XXXV, figs. 19–22, text-fig. 34c, Owenitan, Triassic, Tientung district, Kwansi, China, **Kingkoo,** C.

†*Clypeoceras lenticulare* pp. 64, 225, pl. XII, figs. 3–5, text-fig. 19b, Flemingitan Linglo district; *C. tsotengense* pp. 66, 225, pl. XII, figs. 1, 2; *C. kwangsiense* pp. 65, 226, pl. XVII, figs. 1–2, text-fig. 19a, **spp. nov.**; *C. k. leptodiscus* **var. nov.** pp. 66, 227, pl. XV, figs. 6–8, pl. XVII, figs. 3–6; *C. ensanumiforme* pp. 64, 227, pl. XVII, figs. 10–13, text-fig. 19c, Owenitan, Tientung district, *C. tientungense* pp. 65, 228, pl. XVII, figs. 7–9, Flemingitan, Tientung District, **spp. nov.** Triassic, Kwangsi, China, **Kingkoo,** C.

†*Columbites huangi* pp. 126, 301, pl. XXIX, figs. 6–11, text-fig. 41a; *C. costatus* pp. 126, 302, pl. XXIX, figs. 1–3, text-fig. 41b; *C. yalieniis* pp. 126, 302, pl. XXIX, figs. 12–14, Fengsham district; *C. asymmetricus* pp. 127, 303; pl. XXX, figs. 10–13, Columbitan, Linglo district, **spp. nov.,** Triassic, Kwangsi, China, **Kingkoo,** C.

†*Cordillerites kwangsianus* pp. 33, 188, pl. XLIV, figs. 7–8, text-fig. 6b, Tientung District, Owenitan; *C. orientalis* pp. 34, 188, pl. 1, figs. 10–11, text-fig. 6a, Linglo District, Columbitan, **spp. nov.**, Western Kwangsi China, Triassic, **Kingkoo,** C.

†*Dagnoceras latilobatum* pp. 142, 322, pl. XVIII, figs. 6–8, text fig. 47b, Fengshan district; *D. ellipticum* pp. 143, 323, pl. XVIII, figs. 3–5, text-fig. 47a, Linglo district, Columbitan, Triassic, **spp. nov.**, Kwangsi, China, **Kingkoo,** C.

†Devonopronoritidae **fam. nov.** p. 137, Ammonoidea, type genus *Devonopronorites ruzhencevi* Bogoslovsky 1954, Nikolaev mine, mining Altai, U.S.S.R., Devonian, **Bogoslovsky, B. I. (2).**

†*Dieneroceras tientungense* pp. 37, 192, pl. II, figs. 5–6, 8–10, 29, Tientung district; *D.* (?) *vermiforme* pp. 36, 192, pl. II, figs. 14–16, 28, text-fig. 7b, Linglo district; *D. ovale* pp. 37, 192, pl. II, figs. 11–13, text-fig. 7a, Tiengno district; *D. pakungense* pp. 38, 193, pl. XLIII, figs. 19–21, text-fig. 7c, Tiengno district, Owenitan, **spp. nov.** Western Kwangsi, China, Triassic, **Kingkoo,** C.

†*Digitophyllites lolouensis* **sp. nov.** pp. 90, 256, pl. XXXII, figs. 13–19, text-figs. 29a, b, Columbitan Triassic, Linglo district, Kwangsi, China, **Kingkoo,** C.

†*Euflemingites tsotengensis* **sp. nov.** pp. 51, 209, pl. V, figs. 1–2, text-fig. 14, Owenitan, Triassic, Tientung district, Kwangsi District, China, **Kingkoo,** C.

†*Flemingites evolutus*, pp. 48, 204, pl. VII, figs. 13–14, pl. VIII, figs. 5–6, text-fig. 12c, Owenitan; *F. nalilingensis* pp. 48, 205, pl. VI, figs. 6–7, text-fig. 12d, Flemingitan; *F. rursiradiatus* pp. 48, 205, pl. VI, figs. 1–5, 8–10, text-figs. 13a, b, Flemingitan, Linglo district; *F. ellipticus* pp. 49, 206, pl. IV, figs. 5–7, 10–12, text-fig. 12a, Owenitan **spp. nov.**; *F. e. kaohwaiensis* **var. nov.** pp. 49, 207, pl. IV, figs. 8–9, Flemingitan; *F. kaoyunlingensis* pp. 49, 207, pl. VII, figs. 15, 16, text-fig. 12b; *F. kwangsiensis* pp. 49, 208, pl. VIII, fig. 8, Owenitan, Tientung district, **spp. nov.** Triassic, W. Kwangsi, China, **Kingkoo,** C.; *F.* cf. *lidacensis*, Flemingitidae from Malakoff Hill Group, New Zealand, **Kummel, B. (1).**

†*Gyrophiceras hsüi* pp. 43, 199, pl. II, figs. 1–2, text-fig. 10b, Tientung district, Owenitan; *G. plicatum* pp. 43, 200, pl. II, figs. 3–4, text-fig. 10a, Linglo district, Flemingitan, **spp. nov.** Triassic, W. Kwangsi, China, **Kingkoo,** C.

†*Hanielites evolutus* **sp. nov.** pp. 109, 280, pl. XXXVII, figs, 8–12, text-fig. 36b, Owenitan, Tiengno district, *H. elegans involutus* **var. nov.** pp. 109, 281, pl. XXXVII; figs. 4–6, text-fig. 36a; *H. rotulus* pp. 110, 281, pl. XXXVII, figs. 12–15, Tientung district; *H. carinatitabulatus* pp. 110, 282, pl. XXXVII, figs. 1–3, text-fig. 36c, Owenitan, Tiengno district, **spp. nov.** Triassic, Kwangsi, China, **Kingkoo,** C.

†*Hollandites japonicus tokuraensis* **var. nov.** for *H. j. crassicostatus*, Shimizu 1930–35, p. 99, pl. VIII, fig. 1, Isatomae formation Triassic, N.E. Japan, **Onuki & Bandô.**

†*Imitoceras* n.sp. p. 138, Devonian Tennessee, **Kellberg & Mayer.**

†*Inyoites striatus* pp. 42, 197, pl. II, figs. 22–26, text-fig. 9a, Tientung district; *I. obliplicatus* pp, 42, 198, pl. II, figs. 17–21, 27, text-figs. 9b, c, **spp. nov.** Tientung district, Owenitan Triassic, Kwangsi, China, **Kingkoo,** C.

†*Isculitoides globosus* pp. 119, 292, pl. XXVI, figs. 9–13, 16–21, Tunglan district; *I. ellipticus* pp. 119, 293, pl. XXVI, figs. 24–28, pl. XXX, figs. 1–5, text-figs. 38a, b., **spp. nov.**,Columbitan Triassic, Linglo, Kwangsi, China, **Kingkoo,** C.

†*Istreites bakalowi* **sp. nov.** p. 446, pl. 1, fig. 2, text-fig. 2, Triassic, Kotel, Bulgaria, **Bakalow, Kühn & Sachariewa.**

†*Juvenites kwangsianus* pp. 115, 287, pl. XXVI, figs. 6–8, Tiengno district; *J. orientalis* pp. 116, 290, pl. XXVI, figs. 3–5, Tientung district, Owenitan **spp. nov.**, Triassic, Kwangsi, China, **Kingkoo,** C.

†*Kashmirites prorsiradiatus* pp. 108, 278, pl. XXXVI, fig. 7, pl. XXXVII, figs. 29–31, Owenitan; *K. varians* pp. 108, 279, pl. XXXVI, figs. 1–3, pl. XXXVII, figs. 18–19, 26–28, Flemingitan, Tientung district, **spp. nov.**, Triassic, Kwangsi, China, **Kingkoo,** C.

†*Koninckites lingyunensis* pp. 60, 220, pl. XI, figs. 10–11; *K. liratus* pp. 61, 221, pl. XI, fig. 9; *K. loloensis* pp. 61, 221, pl. XL, figs. 1–2, text-fig. 17a, Flemingitan, Linglo district; *K. rectangularis* pp. 62, 223, pl. XI, figs. 1–5, text-fig. 17b, Owenitan, Tiengno district, **spp. nov.** Triassic, Kwangsi, China, **Kingkoo,** C.

†*Lanceolites orientalis* **sp. nov.** pp. 96, 263, pl. XLI, figs. 5–9, Owenitan Triassic, Tiengno district, Kwangsi, China, **Kingkoo,** C.

†*Meekoceras lativentrosum* pp. 132, 309, pl. XXXVIII, figs. 15–18, text-fig. 43a; *M. densistriatum* pp. 133, 310, pl. XXXVIII, figs. 1–3, 19, text-fig. 43b, **spp. nov.**; *M. d. minor* **var. nov.** pp. 133, 310; *M. yukiangense* pp. 133, 311, pl. XXXIX, figs. 1–7, 13, text-fig. 44a, Owenitan,; *M. kaohwaiense* pp. 135, 311, pl. XL, figs. 16–18, text-fig. 44b; *M. pulchriforme* pp. 135, 313, pl. XL, figs. 14–15, text-fig. 44c, Flemingitan, Tientung district; *M. kwangsiense* pp. 136, 315, pl. XXXVIII, figs. 10–14, text-fig. 44d, Owenitan; *M. lingyunense* pp. 137, 315, pl. IX, figs. 3–8, text-fig. 43c, Eotrias, Linglo district; *M.* (*Submeekoceras*) *tsotengense* pp. 138, 316, pl. XL, fig. 19, text-fig. 45a, Owenitan, Tientung district; *M.* (*S.*) *tientungense* pp. 138, 317, pl. XIV, figs. 6–7, text-fig. 45b; *M.* (*S.*) *subquadratum* pp. 138, 317, pl. XIV, figs. 1–5, pl. XXXIX, figs. 8–9, text-fig. 45c; *M.* (*S.*) *quadratum* pp. 139, 318, pl. XXXIX, figs. 10–11, 22–23, Owenitan, Tientung district; *M.* (*S.*) *compressum* pp. 140, 320, pl. XLIV, figs. 1–6, text-figs. 46a, b; *M.* (*S.*)

lolouense pp. 141, 320, pl. X, figs. 7, 8, text-fig. 45d.; *M.* (*S.*) *longiseptatum* pp. 141, 321, pl. X, figs. 5–6, text-fig. 46c, **spp. nov.**, Columbitan Triassic, Linglo district, Kwangsi, China, **Kingkoo**, C.

†*Megaphyllites jarbas jarbasides* **subsp. nov.** p. 449, pl. 1, fig. 5, pl. 2, figs, 7a–b, text-fig. 3, Triassic, Lobenlinie, Bulgaria, **Bakalow, Kühn & Sachariewa.**

†*Mesohedenstroemia* **gen. nov.** pp. 98, 266, of Hedenstroemiinae, genotype *M. kwangsiana* pp. 99, 266, pl. XXXIV, figs. 1–18, text-figs. 33b–d, Flemingitan. Tiengno district,; *M. inflata* pp. 100, 267, pl. XXXV, figs. 4–8, text-fig. 33a, Owenitan, Tientung district, *M. planata* pp. 100, 268, pl. XXXV, figs. 1–3, text-fig; 33e, Owenitan, Linglo district, **spp. nov.** Triassic, Kwangsi, China, **Kingkoo**, C.

†*Metussuria spathi* **sp. nov.** pp. 95, 261, pl. XXI, fig. 3, pl. XXXI, fig. 13, Owenitan, Triassic, Linglo district, Kwangsi, China, **Kingkoo**, C.

†*Otoceras indigirense* **sp. nov.** p. 109, f. 2, 2a, b, Lower Trias, eastern Verkhoyansk, U.S.S.R., **Popov**, Y. N.

†*Owenites* cf. *O. koeneni*, Proptychitidae described from the Middle Scythian at Wairaki Downs, New Zealand, **Kummel**, B. (**1**); *O. pakungensis* pp. 82, 248, pl. XXI, figs. 4–5, 6–8, text-fig. 26a, Tiengno district; *O. costatus* pp. 83, 249, pl. XXII, figs. 7–18, 22–23, text-fig. 26c; *O. kwangsiensis* pp. 84, 250, pl. XXII, figs. 1–6, text-fig. 26b, Tientung district; *O. plicatus* pp. 85, 251, pl. XXII, figs. 19–21, 24, 25, text-fig. 26e, Owenitan, Linglo district, **spp. nov.**, Triassic, Kwangsi, China, **Kingkoo**, C.

†*Paranannites ptychitoides* pp. 112, 284, pl. XXIV, figs. 8–10, text-fig. 37a, Owenitan; *P. subglobosus* pp. 113, 285, pl. XXIV, figs. 21–24, text-fig. 37a; *P. involutus* pp. 113, 285, pl. XXIV, figs. 13–15, 18, 20, 25, text-fig. 37d, Linglo district; *P. minutus* pp. 114, 286, pl. XXIV, figs. 16, 17, text.fig. 37b, Columbitan, Fengshan district, **spp. nov.** Triassic, Kwangsi, China, **Kingkoo**, C

†*Paranorites ellipticus* pp. 57, 217, pl. X, figs. 9, 10, text-fig. 16a, Gyronitan (?); *P. ovalis* pp. 58, 217, pl. IX, figs. 16–19, text-fig. 16b, Flemingitan; *P. linquisellatus* pp. 58, 218, pl. X, figs. 1–2, text-fig. 16c, Linglo district; *P. tsotengensis* pp. 59, 219, pl. XLIV, figs. 11, 12, text-fig. 16d, Owenitan, Tientung district, **spp. nov.** Triassic, Kwangsi, China, **Kingkoo**, C.

†*Paratibetites bulgaricus* **sp. nov.** p. 441, pl. 1, fig. 3, text-fig. 1, Triassic, Kotel, Bulgaria, **Bakalow, Kühn & Sachariewa.**

†*Parussuria latilobata* **sp. nov.** pp. 94, 260, pl. XXXI, figs. 14–15, text-fig. 31, Columbitan Triassic, Linglo district, Kwangsi, China, **Kingkoo**, C.

†*Popanoceras sintasense* **sp. nov.** p. 228, pl. 35, fig. 3, text-fig. 82, Lower Permian, Southern Urals, Sintas River, **Ruzhentzev**, V. E.

†*Preflorianites radians* **sp. nov.** pp. 40, 196, pl. III, figs. 6–8, Tientung district, Kwangsi, China, Triassic, **Kingkoo**, C.

†*Prenkites kwangsianus* **sp. nov.** pp. 130, 307, pl. XXIX, figs. 15–20, text-fig. 42b, Columbitan, Triassic, Fengshan district, Kwangsi, China, **Kingkoo**, C.

†*Prionolobus ophionus involutus* **var. nov.**, pp. 45, 201, pl. IX, figs. 11–15, text-fig. 11b; *P. hsüyüchieni* **sp. nov.** pp. 45, 202, pl. IX, figs. 9–10, text-fig. 11c, Linglo district, Kwangsi, China, Flemingtan, Triassic, **Kingkoo**, C.

†Procarnitidae **fam. nov.** pp. 87, 253, of Noritaceae; *Procarnites oxynostus* **sp. nov.** pp. 88, 254, pl. XXXII, figs. 1–7, 10–12, text-figs. 28a–d, Columbitan, Triassic, Linglo district, Kwangsi, China, **Kingkoo**, C.

†*Proharpoceras tricarinatum* **sp. nov.** pp. 143, 325, pl. XLIII, figs. 8–14, Owenitan Triassic, Tientung district, Kwangsi, China, **Kingkoo**, C.

†*Proptychites latumbilicatus* pp. 71, 234, pl. XIX, figs. 2–3, text-fig. 22a, Flemingitan; *P. kaoyunlingensis* pp. 71, 234, pl. XVI, figs. 7–8, text-fig. 22b, Tientung district; *P. inflatus* pp. 72, 235, pl. XX, figs, 1–3, text-fig. 22d, Owenitan; *P. kwangsiensis* pp. 72, 236, pl. XIX, figs. 6–7, text-fig. 23d; *P. pakungensis* pp. 73, 236, pl. XVIII, figs. 1–2, text-fig. 23a, Flemingitan, Tiengno district; *P. radiatus* pp. 74, 237, pl. XVI, figs. 14–15, text-fig. 23b, Flemingitan, Tiengno district **spp. nov.**: *P. typicus minor* **var. nov.** pp. 74, 238, pl. XVI, fig. 13, text-fig. 22c; *P. sinensis* pp. 75, 240, pl. XVI, figs. 5, 6, pl. XVII, figs. 14–16, text-fig. 22c; *P. angusellatus* pp. 76, 240, pl. XV, figs. 1, 2, text-fig. 23c,; *P. lenticularis* pp. 77, 242, pl. XVI, figs. 9–10, text-figs. 24b, c; *P. latilobatus* pp. 78, 243, pl. XVI, figs. 1, 2, pl. XIX, figs. 4, 5; *P. abnormalis* pp. 78, 243, pl. XVI, figs. 3–4, Owenitan. Tientung district **spp. nov.**, Kwangsi district, China, Triassic, **Kingkoo**, C.

†*Proptychitoides sinensis* pp. 79, 244, pl. XXI, figs. 1–2, text-fig. 25d, Owenitan, Linglo district; *P. tunglanensis* pp. 80, 245, pl. XX, figs. 11–12, text-fig. 25a, Tunglan and Hochih districts; *P. compressus* pp. 80, 246, pl. XX, figs. 9–10, text-fig. 25b, Linglo district; *P. ? simplex* pp. 81, 246, pl. XX, figs. 7–8, text-fig. 25c, Fengshan district, Columbitan **spp. nov.**, Triassic, Kwangsi, China, **Kingkoo**, C.

†*Prosphingites kwangsianus* pp. 121, 296, pl. XXVIII, figs. 17–22, text-figs. 39a, Owenitan, Linglo district; *P. sinensis* pp. 122, 297, pl. XXV, figs. 1–5, pl. XXVII, figs. 1–17, text-figs. 40a–c, Tientung district; *P. involutus* pp. 122, 297, pl. XXVIII, figs. 1–11, text-fig. 39c; *P. radians* pp. 123, 298, pl. XXVIII, figs. 12–16, text-fig. 39d, Owenitan, Linglo district; *P. lolouensis* pp. 123, 289, pl. XXVII figs, 18–24, text-fig. 39b, Columbitan, Tiengno district, **spp. nov.** Triassic, Kwangsi, China, **Kingkoo**, C.

†*Protoceras acutum* p. 63, text-fig. 1g, 2g; *P. parallelum* p. 63, text-fig. 1d, e, 2d, **spp. nov.**, Upper Permian, Araks river near Dzhul'fa, Armenia, Trans-Caucasia, U.S.S.R., **Ruzhentzev**, V. E. (**2**).

†*Pseudaspidites lolouensis* pp. 67, 229, pl. XIII, figs. 17–21, text-figs. 20a, 21a; *P. kwangsianus* pp. 68, 230, pl. XII, figs. 6–8, text-fig. 21d; *P. simplex* pp. 68, 231, pl. XIII, figs. 6–13, 16, pl. XLV, figs. 5–7, text-figs. 20b, 21b, Owenitan; *P. stenosellatus* pp. 70, 231, pl. XIII, figs. 4–5, pl. XLV, fig. 8, text-fig. 21c, Flemingitan, Tientung district, *P. aberrans* pp. 69, 232, pl. XIII, figs. 14, 15, text-fig. 20d, Linglo district; *P. longisellatus* pp. 69, 232, pl. XIII, figs. 1–3, text-fig. 20c, Owenitan, Tientung district, Triassic, **Kingkoo**, C.

†*Pseudoceltites contractus* pp. 106, 275, pl. XXXVI, fig. 8; *P. ellipticus* pp. 106, 276, pl. XXXVI, figs. 9–12, 14–15, 30, Tientung district, Owenitan; *P. kwangsianus* pp. 106, 276, pl. XXXVI, figs. 16, 17, Owenitan, Tiengno district, **spp. nov.** Triassic, Kwangsi, China, **Kingkoo**, C.

†*Pseudohedenstroemia umbilicata* pp. 97, 264, pl. XLV, figs. 9, 10, text-fig. 32a; *P. magna* pp. 98, 265, pl. XLI, figs. 13–16, pl. XLV, figs. 1, 2, text-fig. 32b, **spp. nov.**, Owenitan Triassic, Tientung district, Kwangsi, China, **Kingkoo**, C.

†*Pseudosageceras curvatum* pp. 31, 185, pl. 1, figs. 13–14, text-fig. 5a, Linglo district; *P. tsotengense* pp. 32, 185, pl. 1, figs. 7–8, text-fig. 5b, Tientung district, **spp. nov.**; *P. longilobatum kwangsiense* **var. nov.**, pp. 32, 186, pl. I. figs. 5–6, pl. VIII, figs. 10, 11, text-fig. 5c, Tientung, district, Western Kwangsi, China, Lower Triassic, **Kingkoo**, C.

†*Pseudowenites* **gen. nov.** pp. 86, 252, of Owenitidae, **type sp.** *P. oxynotus* **sp. nov.** pp. 86, 252, pl. XXIII, figs. 1–16, text-figs. 27a–d, Owenitan Triassic, Tientung district, Kwangsi, China, **Kingkoo**, C.

†*Rotarazoceras* **gen. nov.** p. 61, Araxoceratidae, fam. nov., Otoceratacea Genotype: *R. caucasium* **sp. nov.** p. 61, text-fig. 1b, 2b, Araks river near Dzhul'fa, Armenia, Trans-Caucasia, U.S.S.R., Upper Permian, **Ruzhentzev**, V. E. (2).

†*Subcolumbites kwangsianus* **sp. nov.** pp. 128, 304, pl. XXX, figs. 14–17, text-fig. 41c, Columbitan, Tunglan district, Triassic, Kwangsi, China, **Kingkoo**, C.

†*Subvishnuites tientungensis* **sp. nov.** pp. 51, 210, pl. VII, figs. 17–19, Owenitan, Triassic, Tientung district, Kwangsi, China, **Kingkoo**, C.; †*S. welteri*, Flemingitidae from Wairaki Downs, New Zealand described, **Kummel**, B. (1).

†*Tunglanites* **gen. nov.** pp. 120, 294, of Paranannitidae, type sp. *T. lenticularis* **sp. nov.** pp. 120, 294, pl. XXVII, figs. 25–32, pl. XXVIII, figs. 23–25, Columbitan Triassic, Linglo district, Kwangsi, China, **Kingkoo**, C.

†*Urartoceras* **gen. nov.** p. 64, Araxoceratidae **fam. nov.** Otoceratacea genotype; *O. abichianum* **sp. nov.** p. 65, text-figs. 1 and f, Araks river near Dzhul'fa, Armenia, Trans-Caucasia, U.S.S.R., Upper Permian, **Ruzhentzev**, V. E. (2).

†*Ussuria pakungiana* pp. 92, 258, pl. XXXI, figs. 1–3, text-figs. 30c, d; *U. longilobata* pp. 93, 259, pl. XXXI, figs. 4–7, text-fig. 30b, **spp. nov.**, Owenitan Triassic, Tiengno district, Kwangsi, China, **Kingkoo**, C.

†*Vishnuites marginalis* **sp. nov.** pp. 35, 190, pl. XI, figs. 17–18, Eotriassic Shales, Linglo district, Kwangsi, China, **Kingkoo**, C.

†*Wyomingites* cf. *aplanatus* Meekoceratidae described from the Malakoff Hill Group, Coal Creek, Wairaki Downs, New Zealand, **Kummel**, B. (1).

†*Xenoceltites crenoventrosus* pp. 38, 194, pl. III, figs. 14–15, pl. XLII, figs. 2–6, text-figs. 8b, c, Linglo district, Columbitan; *X. compressus* pp. 39, 194, pl. III, figs. 9–12, text-fig. 8a Tiengno district, Owenitan; *X.* (?) *ophioneus* pp. 40, 195, pl. III, figs. 16–17, Tientung district, U. Owenitan, **spp. nov.** Western Kwangsi, China, Triassic, **Kingkoo**, C.

†*Xenodiscoides serpentinus* pp. 54, 212, pl. III, figs. 3–5, pl. IV, figs. 1–4, pl. VII, fig. 10, text-fig. 15a, Triassic shales, Tientung district; *X. planatus* pp. 55, 213, pl. V, figs. 3–4, pl. VIII, fig. 9, text-fig. 15d, Flemingitan, Linglo district, **spp. nov.** Triassic, W. Kwangsi, China, **Kingkoo**, C.

†Yinoceratinae **subfam. nov.** p. 207, of Thalassoceratidae, for *Gleboceras* Ruzhencev 1950, (*G. mirandum* Ruzhencev 1950) and *Yinoceras* Chao 1954 (*Y. lenticulare* Chao 1954), **Ruzhentzev**, V. E. (1).

PHYLLOCERATINA

†*Leiophyllites serpentinus* pp. 149, 331, pl. XLII, figs. 7, 13–15, text-fig. 48a; *L. oxynotus* pp. 150, 332, pl. XLII, figs. 11–12, text-fig. 48b; *L. lolouensis* pp. 150, 332, pl. XLII, figs. 8–10, text-fig. 48c, Columbitan, Triassic, Linglo district, Kwangsi, China, **Kingkoo**, C.

†*Libycoceras ismaeli* from the Cretaceous, of Roseifa, Jordan, **Sornay, J.**

†*Tragophylloceras vadászi* **emend. nov.** p. 183, for *Phylloceras vadaszi*, N.W. Carpathians, Mesozoic, **Géczy**, B. (1).

LYTOCERATINA

†*Anisoceras* **sp. nov.** (?) p. 79, Anisoceratidae pl. 28, fig. 1, pl. 29, figs. 2a–c, Cretaceous, Upper Chitina Valley, Alaska, **Matsumoto**, T.

†*Baculites schencki* p. 113 Baculitidae pl. 32, figs. 1a–c, 2a–c, 3a–b, 4a–b, 5a–c, 6a–c; text-figs. 12a, b, 13a–c, 14a–b, 15–21, 22a–b, 23a–c, 24, 25; *B. kirki* p. 143, pl. 43, figs. 1a–c, 2a–c, 3a–c, text-figs. 53a–b, 54–57, 58a–b, **spp. nov.** Upper Cretaceous, California, **Matsumoto**, T. (1).

†*Crioceras* discovery and its meaning from Rebun Island, Hokkaido, **Akiba & Ohmori.**

†*Labeceras* Spath, 1925, accepted and placed on Official List and *L. bryani* Whitehouse 1926 designated as the type species, *bryani* in the above combination placed on Official List of Specific names, **Opinion 556.**

†Labeceratidae Spath, 1925, accepted and placed on Official List, type genus *Labeceras* Spath 1925, **Opinion 556.**

†*Lytoceras fimbriatum* from the Lias of Normandy, **Rioult**, M. (2); *L. jurense*, and *L. germaini* from the Liassic of Besançon, **Théobald & Cheviet.**

†*Parajaubertella imlayi* **sp. nov.** p. 71, Tetragonitidae, pl. 21, figs. 1a–d, 2, text-figs. 12, 13, Cretaceous, Upper Chitina Valley, Alaska, **Matsumoto**, T.

†*Pleuroacanthites* Canavari, 1883, accepted, *Ammonites biformis* J. de C. Sowerby, 1831, specific name accepted as type-sp. of *Pleuroacanthites*, **Opinion 575.**

†Pleuroacanthitidae Hyatt, 1900, accepted, Pleuracanthitidae Hyatt, 1900, rejected. **Opinion 575.**

†*Tetragonites* **sp. nov.** (?) p. 77, Tetragonitidae pl. 22, figs. 1a–c, 2a–c, text-fig. 15, Cretaceous, Upper Chitina Valley, Alaska, **Matsumoto**, T.

†*Zelandites inflatus* **sp. nov.** Tetragonitidae p. 74, pl. 23, figs. 2a–d, 3a–c, 4a–c, 5a–d, pl. 24, figs. 1a–c, text-fig. 14, Cretaceous, Upper Chitina Valley, Alaska, **Matsumoto**, T.

AMMONITINA

†*Acanthoceras whitei* **nom. nov.** p. 82, pl. 22, fig. 1a–c, pl. 39, fig. 1, text-fig. 36, for *Ammonites turneri* White 1889, Currys Canada, Mount Diablo area, California, Cretaceous, **Matsumoto**, T. (2).

†*Aconeceras australisoides* p. 11, pl. 1, fig. 1a, b; *A. whitehousei* p. 12, pl. 1, fig. 2a, b, **spp. nov.**, Upper Aptian, Western Australia, **Brunnschweiler**, R. O.

†Amaltheidae Hyatt, 1867, accepted, Amaltheoidae Hyatt, 1867, rejected. **Opinion 575.**

†*Amaltheus* Montfort, 1808, accepted, *A. margaritatus* Montfort, 1808, accepted, **Opinion 575**. *A.* (*Pleuroceras*) *spinatum* from the Lias of Feugueroiles-sur-Orne, **Rioult**, M. (1); *A. margaritatus* and *A. stockesi* from Liassic rocks of Normandy, **Rioult**, M. (2).

†*Asteroceras margaritoides* from Lower Broadford Beds, Skye, **Hallam**, A. (1).

†*Berriasella* **sp. nov.** of Berriasellidae pp. 585, 595, pl. XXVIII, figs. 4–7, Jurassic, Nagasaki, Oshima, Japan, **Sato**, T.

†*Brancoceras enniskillense* Foord 1903, holotype, is shown to be *Beyrichoceras excavatum* Phillips 1836, Carboniferous Limestone, Blacklion, Ireland, **Hodson**, F. (1).

†*Cadomites humphriesi* first find from Besançon, Bajocian, Mid-Jurassic, **Théobald & Bourquin.**

†*Calycoceras* Hyatt 1900 accepted and *Ammonites navicularis* Mantell, 1822, designated the type species, *navicularis* in the above combination also accepted, **Opinion 557.**

†*Ceratosphinctes* **subgen. nov.** Perisphinctidae p. 50, subgenotype. *Simosphinctes* (*Ceratosphinctes*) *septenarius*, Quens, Jurassic, Swabia, Bavaria, Germany, **Ziegler,** B.

†*Cleoniceras susukii* **sp. nov.** p. 104, pl. 20, figs. 1, 3, 4, text-fig. 3, 4, Cretaceous (Albian) rocks of Northern California, **Murphy & Rodda.**

†*Coeloceras* (*Coeloceras*) *crassum* and related forms from the Jurassic, **Théobald & Duc.**

†*Coroniceras coronaries* from the Lower Broadford Beds, Applecross, **Hallam,** A. (1).

†*Cranocephalites indistinctus* **sp. nov.** pp. 508, *510*, pl. XVII, figs. 3, 4, Pl. XVIII, figs. 1–2, Holotype pl. XVIII, fig. 1, East Greenland, Middle Jurassic, **Callomon.** J. H.

†*Crenicerας dentatum* evolution in S. Germany, **Ziegler,** B. (1).

†*Cymaceras guembeli* from the Carpathians described for the first time in this locality, **Rakus,** M.

†*Dactylioceras* Hyatt, 1867, accepted, and *Ammonites communis* J. Sowerby, 1815, designated as type-sp., the specific name *communis* published in the above combination accepted, **Opinion 576.**

†Dactyliocerатidae Hyatt 1867, accepted and Dactyloidaɔ Hyatt, 1867, rejected, **Opinion 576.**

†*Dactyloceras* Fischer, 1879, rejected as erroneous spelling of *Dactylioceras* Hyatt, 1867, **Opinion 576.**

†*Damesites* Matsumoto, 1942, validated by suppression of *Kotoceras* Yabe, 1927; *damesi* Jimbo, 1894, as published in the combination *Desmoceras damesi* accepted (type sp. of *Damesites*), **Opinion 555.**

†*Desmoceras* (*Pseudouhligella*) *vetus* **sp. nov.** p. 103, pl. 20, fig. 3, text-fig. 1, 2, Cretaceous (Albian) of Northern California, **Murphy & Rodda.**

†*Donjuaniceras* (?) *madagascariensis* p. 201, fig. 2–3, 1, Cretaceous, S.W. Madagascar; *D.* (?) *dubertreti* p. 200, fig. 2–3, 2, Turonian, Syria, **spp. nov., Basse,** E.

†*Dorsetensia subtecta* first find from Belfort, Bajocian, Mid Jurassic, **Théobald & Bourquin.**

†*Eofalciferella* **gen. nov.** p. 13, subfam. Aconeceratinae, type *E. condoni* **sp. nov.** p. 13, pl. 1, fig. 3, 4, Upper Aptian, Western Australia, **Brunnschweiler,** R. O.

†*Eogunnarites alaskaensis* **sp. nov.** p. 66, Kossmaticeratidae pl. 18, figs. 1a–c, pl. 19, figs. 1a–b, pl. 20, fig. 1a–b, Cretaceous, Upper Chitina Valley, Alaska, **Matsumoto,** T.

†*Euagassiceras lundgreni* **sp. nov.** pp. 104, *126*, text-figs. 10, 11a–c, pl. XII, figs. 1a–b, pl. XIII, fig. 2, Liassic (L. Sinemurian) Döshult, Sweden, **Reyment,** R. A.

†*Eucalycoceras* Spath 1923, type sp. *Ammonites pentagonus* Jukes-Browne, 1896, generic and specific names accepted and placed on Official Lists. **Opinion 557.**

†*Eupachydiscus haradai usheri* **subsp. nov.** p. 34, text-fig. 14, 15, pl. 9, figs. 1, 2. Sucia Island, Washington, Cretaceous, **Matsumoto,**, T. (2).

†*Falciferella breadeni* p. 15, pl. 1, fig. 5, 6; *F. reymenti* p. 16, pl. 1, fig. 7, 8, **spp. nov.** Upper Albian, Oodnadatta, South Australia, **Brunnschweiler,** R. O.

†*Freboldiceras* **gen. nov.** of Desmoceratidae, p. 182, **type sp.** *F. singulare* **sp. nov.** p. 182, pl. 30, figs. 1–7, Cretaceous, Alaska, Talkestna Mts., **Imlay,** R. W.

†*Garantia garanti* from the Nancy region, Bajocian, **Théobald & Bourquin.**

†*Glochiceras semicostatum* **sp. nov.** p. 205, pl. 17, fig. 3, Immendingan, Germany, Jurassic, **Holder & Ziegler.**; *G. subclausum* evolution from the upper Oxfordian of S. Germany, **Ziegler,** B. (1).

†*Grammoceras doerntense*, *G. fallaciosum G. f.* var. *cotteswaldiae*, *G. f.* var. *bingmanni*, *G. striatulum* and *G. toarcense* from Lias of Besançon, **Théobald & Cheviet.**

†*Hammatoceras i. insigne*, *H. i. fasciatum* and *H. i. speciosum* from the Lias of Besançon, **Théobald & Cheviet.**

†*Harpoceras bicarinatum*, *H. costula* and *H. subtile* from the Lias of Besançon, **Théobald & Cheviet**; *H. elegans* as a zone fossil, **Wetzel, W.**

†*Haugia jugosa*, *H. ogerieni*, and *H. variabilis* from the Lias of Besançon, **Théobald & Cheviet.**

†*Holcostephanus* G. Sayn, 1889, rejected as an unjustified emendation of *Olcostephanus* Neumayr, M., 1875, **Opinion 575.**

†*Hoplitoplacenticeras* as from Paulcke, 1906, validated and *Hoplites plasticus* Paulcke 1906 (as interpreted by the lectotype selected by C. W. Wright 1957) designated as type sp. and the species *H. plasticus* accepted; *semicostatus* Paulcke 1906 as published in the combination *Hoplites plasticus-semicostatus* rejected. **Opinion 554.**

†*Hybonoticeras ciliatum* **sp. nov.** Aspidoceratidae p. 24, fig. 9, pl. 3, text-figs. 6, 7, Lautern, Jurassic; *H. beckeri extraspinatum* p. 29, fig. 17, pl. 4, text-figs. 14, 15; *H. mundulum attenuatum* p. 35, figs. 10, 11, pl. 3, text-figs. 19, 20; *H. m. striatulum* p. 36, figs. 20, 21, pl. 5, fig. 31, pl. 6, text-fig. 21, **subspp. nov.** Doline, Jurassic; *H.* **sp. nov.** (?) ("*gracillimum*") p. 37, fig. 22, pl. 5, Germany, **Berckhemer & Hölder.**

†*Idoceras* and related ammonite genera from Swabia, Bavaria, Germany, **Ziegler,** B.

†*Kennicottia* **gen. nov.** of Desmoceratidae p. 183, **type sp.** *K. bifurcata* **sp. nov.** p. 183, pl. 30, figs. 8–13, Cretaceous, Alaska, **Imlay,** R. W.

†*Kilianella* juv. sp. from the Jurassic of Oshima, Japan. **Sato,** T.

†*Koinodactylites* S. S. Buckman, 1927, rejected, **Opinion 576.**

†*Kotoceras* Kobayashi, 1934, validated by suppression of *Kotoceras* Yabe, 1927, *K. typicum* Kobayashi, 1934, accepted (type sp. of *Kotoceras* Kobayashi), **Opinion 555.**

†*Maccarthyites* **gen. nov.** p. 67, Kossmaticeratidae, type sp. *M. gracilis* **sp. nov.** p. 67, pl. 23, figs. 6a–d, Cretaceous, Upper Chitina Valley, Alaska, **Matsumoto,** T.

†*Mantelliceras* Hyatt, 1903, accepted, *mantelli* J. Sowerby 1814 (published as *Ammonites mantelli*, specific name of type sp. of *Mantelliceras* Hyatt), *subgentoni* Spath, 1926 (published as M. *subgentoni*) and *cantianus* Spath, 1926 (published as *M. cantianum*) placed on Official List of Specific Names, **Opinion 557.**

†Mantelliceratidae Hyatt, 1903, accepted, **Opinion 557.**

†*Metacalycoceras* Spath, 1926, rejected, **Opinion 557.**

†*Moffitites* **gen. nov.** of Desmoceratidae p. 181, **type sp.** *M. robustus* **sp. nov.** p. 181, pl. 29, figs. 9–14, Cretaceous, Alaska, **Imlay,** R. W.

†*Nebrodites rhodanensis* **sp. nov.** p. 191, pl. 21, figs. 1–3, Crussol Mountain, Ardeche, Jurassic, Kimeridgian, **Hölder & Ziegler.**

†*Neochetoceras steraspis nodulosum* **subsp. nov.** p. 104, pl. 20, fig. 107, text-fig. 45, *N. steraspis* **subsp. nov.** ? p. 106, Jurassic, Southern Germany, **Berckhemer & Hölder.**

†*Ochetoceras irregulare* p. 99, Oppeliidae pl. 23, figs. 118–120, text-fig. 70; *O. ornatum* p. 101, pl. 24, figs. 126–128, text-fig. 73, **spp. nov.**, Jurassic, Southern Germany, **Berckhemer & Hölder.**

†Olcostephanidae Haug, 1910, accepted, Holcostephanidae, Haug, 1910, rejected, **Opinion 575.**

†*Olcostephanus* M. Neumayr, 1875, accepted, *Ammonites astierianus* d'Orbigny, 1840, specific name accepted as type sp. of *Olcostephanus*, **Opinion 575.** *O.* **sp. nov.** of Olcostephanidae pp. 585, *590*. text-fig. 2, pl. XXVIII figs. 1–3, Nagasaki formation, coast of Oshima, Japan, Jurassic, **Sato,** T.

†*Oxynoticeras* Hyatt, 1875, accepted, *Ammonites oxynotus* Quenstedt, F. A., 1843, specific name accepted as type sp. of *Oxynoticeras*, **Opinion 575.**

†Oxynoticeratidae Hyatt, 1875, accepted, Oxynotidae Hyatt, 1875, rejected, **Opinion 575.**

†*Parasilesites* **gen. nov.** of Silesitidae p. 184, **type sp.** *P. bullatus* **sp. nov.** p. 184, pl. 29, figs. 1–8, Cretaceous, Alaska, **Imlay,** R. W.

†*Parkinsonia parkinsoni*, *P. planulata* from the Bajocian of Besançon, **Théobald & Bourquin.**

†*Paroniceras sternale* from the Lias of Besançon, **Théobald & Cheviet.**

†*Perisphinctes virgulatiformis* p. 40, Perisphinctidae pl. 7, figs. 32, 33, text-fig. 28, p. 48; *P. uracensis* p. 41, pl. 6, fig. 27, pl. 7, fig. 35, **spp. nov.** *P. siliceus paraboliferus* **subsp. nov.** p. 43, pl. 6, figs. 28, 29, text-fig. 25; *P. minutus* forma *insulcata* **forma. nov.** p. 45, pl. 7, fig. 36; *P.* (*Virgatosphinctes*) *setatoides* p. 49, text-figs. 30, 31; *P.* (*V.*) *setatulus*, p. 50, pl. 9, figs. 44–47, 49, **spp. nov.**, S. Germany, Jurassic, **Berckhemer & Hölder.**

†*Phlycogrammoceras dispansum* and *P. metallarium* in Lias of Besançon, **Théobald & Cheviet.**

†*Phymatoceras* Hyatt, 1867, accepted, *P. robustum* Hyatt, 1867, specific name accepted as type sp. of above genus, **Opinion 575** ; *P. lilli*, *P. rudis* and *P. tumefacta* in the Lias of Besançon, **Théobald & Cheviet.**

†Phymatoceratinae Haytt, 1900, accepted, Phymatoidae Hyatt, 1900, rejected, **Opinion 575.**

†*Polymorphites* Haug, 1887, accepted, *Ammonites polymorphus* F. A. Quenstedt, 1845, specific name accepted as type sp. of *Polymorphites*, **Opinion 575.**

†Polymorphitidae Haug, 1887, accepted, Polymorphidae Haug, 1887, rejected, **Opinion 575.**

†*Promicroceras planicosta* from Lower Broadford Beds, Skye, **Hallam,** A. **(1).**

†*Pseudogrammoceras quadratum* and *P. saemanni* in Lias of Besançon, **Théobald & Cheviet.**

†*Pseudolioceras beauliziense*, *P. b. rivierense*, *P. compactile*, *P. rivierense* from the Lias of Besançon, **Théobald & Cheviet.**

†*Simosphinctes* (*Ceratosphinctes*) **subgen. nov.** q.v. **Ziegler,** B.

†*Stenoceras niortense* from the Massif Central, Bajocian, **Théobald & Bourquin.**

†*Sutneria cyclodorsata* evolution in the Kimmeridgian of S. Germany, **Ziegler,** B. **(1)**; †*S. eugyra* p. 53, Aulacostephaninae pl. 6, figs. 1–7, text-figs. 1–5; *Sutneria* sp. (? aff. *S. eugyra*) p. 61, text-fig. 6, **spp. nov.**, Corallian, Steinkern, Bavaria, Germany, **Barthel,** K. W.

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†*Duvalia grasiana* from the Lower Cretaceous, Minor Caucasus, **Khalilov,** A. G.

†*Hastites clavatus* from the Lias of Normandy, **Rioult,** M. **(1)** ; *H. clavatus* and *H. clavoides* from the Lias of Normandy, **Rioult,** M. **(2).**

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